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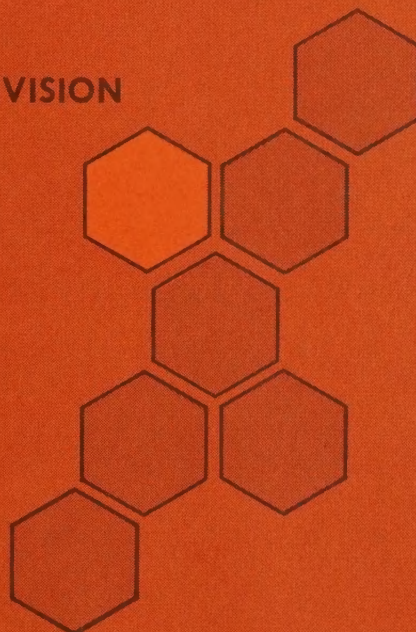scientific knowledge, policies, or practices.

CED WORKING PAPER

A LINKED MODEL FOR WHEAT, FEED GRAIN, AND LIVESTOCK SECTORS OF THE U.S.

By

Lloyd D. Teigen

September 1977

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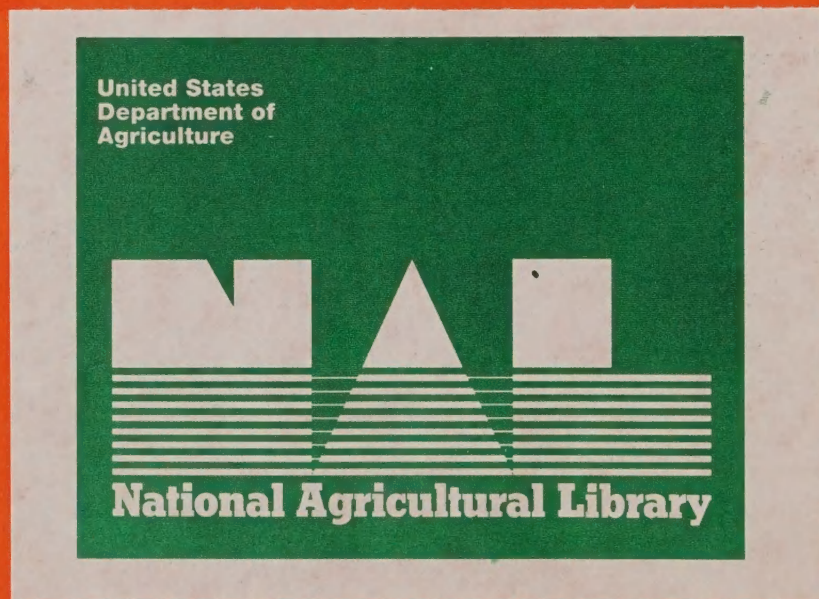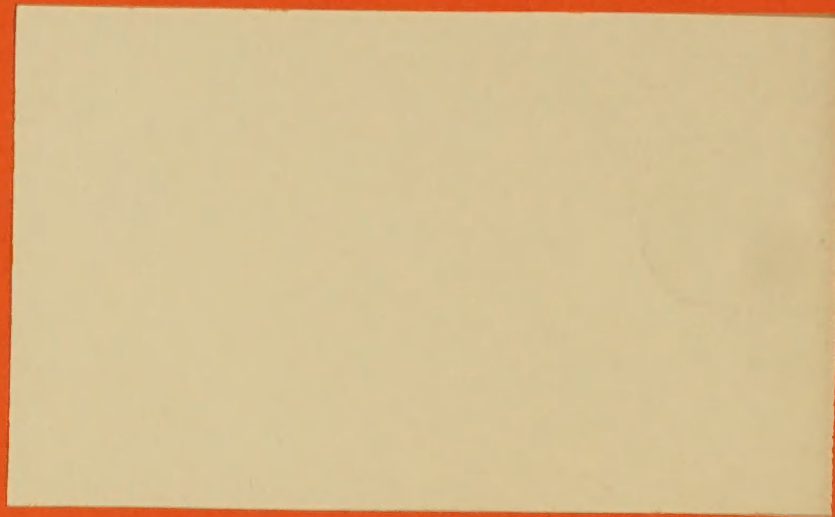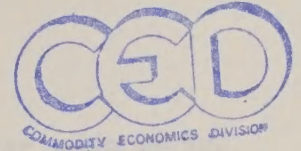ECONOMICS DIVISION

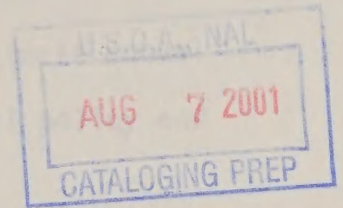ECONOMIC RESEARCH SERVICE   U.S. DEPARTMENT OF AGRICULTURE

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LIVESTOCK SECTORS OF THE U.S.

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The Forecast Support Unit must analyze economic questions from the
perspective of their cross-commodity interactions. As part of this process,
econometric models for a number of commodity subsectors have been specified
and estimated. Up to this time the cross-commodity analysis has largely
been achieved by iterating between the separate models using their impact
multipliers. The major focus of this research effort has been to link the
individual models into a simultaneous framework that solves wheat, feed
grains, livestock, cotton, and soybeans. While soybeans and cotton have
not been incorporated in this version, provisions have been made to do so
as this research become available.

This model has evolved from the earlier commodity subsector models,
with a number of modifications made to facilitate linkage. In many cases
the same concept (e.g., income) was represented by different variables in
the models--these were collapsed into a single variable. In other cases,
similar structural relationships (e.g., commercial stocks) had different
functional forms--these were re-estimated in a more consistent form.

A linkage package, by definition, creates a modeling system that is
uniquely different from the individual predecessor models, i.e., it resolves
the use of both crop year and calendar year data, etc. This was accomplished
only after all linking equations were re-estimated using a consistent set of

data. In the case of livestock, equations for the calendar year endogenous variables were estimated using the overlapping crop year endogenous variables, and vice versa. This nine-month overlap is sufficient to estimate annual cross-commodity impacts resulting from changes in agricultural policy and the general and international economy.

The linkage process closes feedback loops which can accentuate any instabilities in the separate models. The underlying structures responsible for these symptoms must be diagnosed and treated before the linked system is operable. To illustrate this problem, almost two years of research were needed to link and simultaneously solve the six major livestock models even though the separate models converged to independent solutions. Similar problems were encountered when the feed grain and wheat sectors were added. And a significant amount of research will be necessary to bring the soybean and cotton sectors into the overall system.

This linked modeling system will facilitate research into the economic ramifications of the price freeze years because any change in the structure of the livestock sector should also be modeled in the feed sectors. As part of that research effort, a number of equations in this system will be respecified and estimated and used to evaluate the structure presented in this working paper.

The estimates presented here utilize the latest available data, usually 1976 for calendar year variables and 1975/76 for crop year variables. The typical sample period was 1951-76, although some equations were estimated using as short a sample as 1962-76. One benefit of this re-estimation process (in addition to having the most recent information as the basis for the model) is that a consistent (and known) data base is used for estimating all equations.

All of these equations have been encoded into a form which can be solved on the GASSP solution package. The model is now being validated and has converged in about the same number of iterations per year as endogenous variables in the system.

Further documentation of this model is planned in the form of an ERS Agricultural Economics Report on the modeling system, which will contain a theoretical discussion and a textual description of the model and results of validation and verification tests on the model.

The current report contains a list of the structural equations and variable names for the model and a set of key impact multipliers for selected exogenous variables in the system.

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Data Banks Used

CXD500.USAG.ANN
CXD500.MODEL.ANN

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--Retail demand equations for the livestock model

Dependent variable		Independent variables						$\bar{R}^2$	D.W.	S.E.E.
PORIR.67	CAPY	CAPY$\left(\frac{PORCC}{.NPC}\right)$	CHIIRFR	BEEIR	CHEIRAM	.PCND-F			
1950-76	.59178	-.00705133	.228026	.17745	.317804	-.0484388	.993	1.714	.0289
t statistic	8.73	-11.07	4.18	2.17	2.14	-0.68			
elasticity	1.16	-.856	.266	.180	.299	-.047			
BEEIR	CAPY	CAPY$\left(\frac{BEECT}{.NPC}\right)$	CHEIRAM	BEEIR	CHIIRFR	PORIR.67			
1950-76	1.60849	-.00887036	.673389	-1.01836	.0820787	-.136708	.985	1.614	.0369
t statistic	(11.73)	(-9.26)	(-2.98)	(-6.48)	(1.04)	(-1.31)			
elasticity	3.10	-1.72	.625	-.968	.095	-.135			
VEAIR	CAPY	CAPY$\left(\frac{VEAAT}{.NPC}\right)$	BEEIR	FISIR	FISIR	.PCND-F			
1950-76	.361289	-.0252989	.344738	.132667	.0651157	-.0666499	.989	0.827	.0427
t statistic	(4.19)	(-2.18)	(1.13)	(1.32)	(0.35)	(-0.24)			
elasticity	.711	-.221	.352	.156	.067	-.065			
CHIIRFR	CAPY	CAPY$\left(\frac{CHICCYO}{.NPC}\right)$	PORIR.67	CHIPWXB	.PCND-F	BEEIR			
1960-75	1.01057	-.0169252	.290313	.0244043	-.68655	.21155	.993	2.786	.0191
t statistic	4.77	-6.23	3.95	3.91	-3.69	1.25			
elasticity	2.11	-1.17	.285	.208	-.649	.214			
TURPR	CAPY	CAPY$\left(\frac{TURCC}{.NPC}\right)$	BEEIR	CHIIRFR	.PCND-F	FISIR			
1960-76	-1.49017	-1.16773	28.45	14.7821	11.4865	15.4428	.936	2.404	2.650
t statistic	-0.10	-0.99	2.51	1.35	1.01	1.61			
elasticity	-.067	-.422	.606	.310	.229	.343			
EGGIR.67	CAPY	CAPY$\left(\frac{EGGCC}{.NPC}\right)$	CHIIRFR	.PCND-F	PORIR.67				
1960-76	.00431313	-.0060788	.80086	.544033	.0540808		.877	2.528	.0829
t statistic	.010	0.368	2.355	1.30	.118				
elasticity	.01	-.31	.76	.49	.05				

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—Auxiliary retail price equations in the poultry sector

Dependent variable	Independent variables		$\bar{R}^2$	D.W.	S.E.E.
	Intercept	CHIRFR			
CHIPR					
1960-76	2.33324	36.3074	.993	0.643	.723
t statistic	(2.58)	(47.87)			
elasticity		.938			
	Intercept	EGGIR67			
EGGPRAL					
1960-76	3.2552	46.7816	.995	.685	:795
t statistic	(3.07)	(55.54)			
elasticity		.947			

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Retail demand equations for the dairy model

Dependent variable	Independent variables					$\bar{R}^2$	D.W.	S.E.E.
MILCCFZ	MILCCFZ(-1)	.NPC	.NPC(MILIRIC/CAPY)	.NPC(.PCND-F/CAPY)				
1951-76	.517472	.0259537	-.0105756	.00935376		.976	2.114	.2143
t statistic	2.53	2.29	-.869	.538				
elasticity	.51	.51	-.12	.10				
MILCCEC	MILCCEC(1)	.NPC	.NPC(MILIREV/CAPY)	.NPC(MILIR/CAPY)	.NPC(.PCND-F/CAPY)			
1951-76	.388403	-5.70981	-3.99493	9.60208	17.9162	.992	1.600	52.078
t statistic	2.15	-3.52	-1.70	1.44	1.91			
elasticity	.40	-.53	-.19	.46	.86			
MILCCMC	MILCCMC(-1)	.NPC	.NPC(MILIR/CAPY)	.NPC(.PCND-F/CAPY)				
1951-76	.770183	.0235205	-.19128	.27442		.910	1.784	.6343
t statistic	8.34	1.82	-3.13	4.22				
elasticity	.77	.08	-.34	.48				
BUTCC	BUTCC(-1)	.NPC	.NPC(BUTIR/CAPY)					
1951-76	.983843	.150011	-.365233			.888	1.510	58.617
t statistic	6.86	.554	-.218					
elasticity	1.00	.02	-.03					
MILCDR	MILCDR(-1)	.NPC	.NPC(MILPRDR/CAPY)	.NPC(MILIR/CAPY)	.NPC(.PCND-F/CAPY)			
1951-76	.00518765	.232159	-.0221075	1.79059	-1.30922	.565	1.662	9.591
t statistic	-0.023	2.27	-3.12	1.60	-1.22			
elasticity	.01	1.01	-.02	4.01	-2.96			
CHECT	CHECT(-1)	.NPC	.NPC(CHEIRAM/CAPY)					
1951-76	1.07716	.313758	-1.2277			.990	2.896	65.757
t statistic	27.35	.291	-.764					
elasticity	1.029	.031	-.060					

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--Retail product supply relationships in the dairy model

MILIR

Dependent variable	Intercept	MILPF	.WRHD	GASIR	$\bar{R}^2$	D.W.	S.E.
MILIR							
1950-76	.254523	.054386	.087238	.244739	.993	1.515	.0203
t statistic	13.91	6.42	7.95	4.51			
elasticity		.28	.22	.25			

MILIRIC

Dependent variable	Intercept	MILSPFZ	MILPF	.WRHD	GASIR	.TIME	$\bar{R}^2$	D.W.	S.E.
MILIRIC									
1950-76	1.53266	.016562	.0209519	.150038	.448032	-.0249609	.983	1.613	.0205
t statistic	7.36	1.46	1.36	2.76	7.59	-6.18			
elasticity		.15	.10	.36	.42				

MILIREV

Dependent variable	Intercept	MILSPEC	MILPF	.WRHD	$\bar{R}^2$	D.W.	S.E.
MILIREV							
1950-76	-.86292	.000228636	.135116	.265831	.987	1.797	.0382
t statistic	(-4.48)	(4.41)	(9.34)	(5.39)			
elasticity		.502	.674	.658			

MILPRDR

Dependent variable	Intercept	MILPF	.WRHD	TIME	$\bar{R}^2$	D.W.	S.E.
MILPRDR							
1950-76	22.9377	6.48084	12.6297	-1.0306	.997	1.141	2.363
t statistic	1.09	4.48	2.41	-2.35			
elasticity		1.40	1.36				

CHEIRAM

Dependent variable	Intercept	CHESP	MILPF	.WRHD	$\bar{R}^2$	D.W.	S.E.
CHEIRAM							
1950-76	-.132913	.000105418	.144627	.0701632	.995	1.130	.0239
t statistic	-5.52	1.93	19.04	2.33			
elasticity		.19	.76	.18			

BUTIR

Dependent variable	Intercept	MILPF	.WRHD	GASIR	$\bar{R}^2$	D.W.	S.E.
BUTIR							
1950-76	.51663	.108654	.0197966	-.157218	.909	.989	.0472
t statistic	12.14	5.52	.78	-1.25			
elasticity		.58	.05	-.16			

Independent variables

--Farm demand equations for the livestock model

SOWPM7C

	Intercept	PORIR.67	SOWKS	.TIME	$\bar{R}^2$	D.W.	S.E.E.
1950-76	19.6777	27.8528	-.319035	-.42788	.932	1.936	2.043
t statistic	1.80	14.54	-.596	-3.37			
elasticity		1.49	-.120				

BAGPM7C

	PORIR.67	BAGKS*PORIR	PORIR ^{2} /.WRHMP	$\bar{R}^2$	D.W.	S.E.E.
1950-76	36.8651	-.236751	6.69263	.961	0.888	1.756
t statistic	5.99	-3.65	1.16			
elasticity	1.72	-.821	.202			

CATPFFD

	BEEIR	BEEIR*SAHKSFD	BEEIR ^{2} /.WRHMP	$\bar{R}^2$	D.W.	S.E.E.
1950-76	19.8123	-.0532482	21.7882	.980	2.236	0.988
t statistic	11.46	-1.36	7.24			
elasticity	.744	-.037	.293			

CATPFNF

	BEEIR	CATKSNF*BEEIR	BEEIR ^{2} /.WRHMP	$\bar{R}^2$	D.W.	S.E.E.
1950-76	18.1862	-.463581	13.3728	.930	1.521	1.396
t statistic	12.22	-6.65	4.68			
elasticity	1.067	-.345	.281			

CATPFFE

	Intercept	CATPFFD	SAHKS	FCGFC	.TIME	$\bar{R}^2$	D.W.	S.E.E.
1950-76	-11.8957	1.2277	-.0834796	-4.6047	.235463	.891	2.234	2.492
t statistic	(-.78)	(6.76)	(-.15)	(-3.54)	(0.48)			
elasticity		1.29	-.071	-.326				

CALPF

	VEAIR	CALKS*VEAIR	.TIME*VEAIR	$\bar{R}^2$	D.W.	S.E.E.
1950-76	135.603	-2.43101	-1.41433	.854	1.963	3.442
t statistic	10.92	(-6.16)	(-9.28)			
elasticity	5.16	-.615	-3.55			

--Farm demand equations for the livestock model--Continued

Dependent variable	Independent variables				R²	D.W.	S.E.E.
	CHIIRFR	CHIIRFR^2/.WRHPP	CHISPYO*CHIIRFR	Intercept			
CHIPWBR9C	40.588	-3.28796	-.000992587	-6.65437	.992	2.007	.531
(1958-1976)	5.27	-.682	-2.18	-3.06			
t statistic	1.54	-.077	-.251				
elasticity							
	Intercept	TURPR	TURAP				
TURPF	.730732	.543048	-.0393554		.841	3.034	2.189
(1960-1976)	(.196)	8.02	-1.40				
t statistic		1.24	-.266				
elasticity							
	Intercept	CHIIRFR	CHIAPOT	.TIME			
CHIPWXB	16.8017	10.5941	.00403727	-.331389	.937	1.870	1.294
(1950-1975)	(2.68)	5.62	1.86	-3.70			
t statistic		.99	.314				
elasticity							
	Intercept	EGGIR.67	EGGAP				
EGGPF	16.1618	37.1126	-.00410376		.984	1.608	.957
(1950-1976)	2.17	37.29	-3.23				
t statistic		1.16	-.57				
elasticity							
	Intercept	DAIIR	MILAP	MILPGAP			
MILPF	2.2183	2.9635	-.022904	.546317	.994	1.103	:123
(1950-1976)	2.22	4.90	-2.63	4.34			
t statistic		.67	-.53	.43			
elasticity							

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--Investment demand equations in the livestock model

SOWKS (1952-76)

Dependent variable	Intercept	HOGSNBR(-1)	BAGPM7C/FDP	BAGPM7C(-1)/FDP	BAGPM7C(-2)/FDP	.DUMPIG	$\bar{R}^2$	D.W.	S.E.E.
value	.28038	.959754	-.090784	-.0447934	-10185883	1.158	.895	1.501	.443
t statistic	.145	6.08	-2.22	-1.30	-.51	4.09			
elasticity		1.21	-.197	-.096	-.040				

PIGSEBR (1961-76)

Dependent variable	Intercept	BAGPM7C/Y139	SOWKS	HOGSNBR(-1)	$\bar{R}^2$	D.W.	S.E.E.
value	1.8293	.101451	1.06615	-.461099	.734	1.510	.470
t statistic	.95	2.22	6.07	-1.80			
elasticity		.27	1.07	-.64			

COWKSNF (1951-76)

Dependent variable	Intercept	COWSNBE(-1)	CATPFFE	.DUM590*	$\bar{R}^2$	D.W.	S.E.E.
value	-4.99406	.349589	-.0909044	1.19100	.825	1.340	.771
t statistic	-5.24	10.59	-3.41	7.12			
elasticity		2.64	-.62				

HEISBBE (1952-76)

Dependent variable	Intercept	COWSNBE(-1)	.DUM590*	CATPFFE(-1)	CATPFFE(-2)	CATPFFE(-3)	$\bar{R}^2$	D.W.	S.E.E.
value	-1.24462	.125303	.565154	.0254638	.0828018	-.0112884	.841	1.396	.531
t statistic	-1.85	3.87	4.57	.86	2.64	-.50			
elasticity		.69		.12	.39	-.05			

COWSMC Almon lag<3,4,both> (1954-76)

Dependent variable	Intercept	CATFFNF/MILPF	.TIME	COWSNMC(-1)	COWSNMC(-2)	COWSNMC(-3)	COWSNMC(-4)	$\bar{R}^2$	D.W.	S.E.E.
value	-8.59901	.0912125	.0871539	.236367	.190654	.0267561	-.0914274	.956	1.668	.161
t statistic	-1.98	1.25	1.93	4.76	5.37	.84	-1.93			
elasticity		.100		1.20	.967	.136	-.464			

COWSEMC Almon lag<3,5,far> (1959-76)

Dependent variable	Intercept	COWSNMC(-1)	.TIME	RISK	RISK^2	MILPGAP/FDD	MILPGAP(-1)/FDD	MILPGAP(-2)/FDD	MILPGAP(-3)/FDD	MILPGAP(-4)/FDD	$\bar{R}^2$	D.W.	S.E.E.
value	-1.40567	.218757	-.000171819	-.0874686	.14111	.102904	-.092037	-.0282558	.122956	.189638	.976	1.388	.102
t statistic	-0.30	2.40	-.003	-.09	0.36	1.13	-1.52	-0.60	2.45	2.40			
elasticity		1.17		[.081]		.098	-.088	-.027	.117	.181			

--Livestock inventory identities

Dependent variables	Independent variables
HOGSNBR	= HOGSNBR(-1) + PIGSEBR - SOWKS
HOGSM	= (HOGSM(-1) + PIGSC) * (1 - PIGDD) - BAGKS - PIGSEBR
COWSNBE	= .98*COWSNBE(-1) + HEISBBE - COWKSNF
COWSNMC	= .98*COWSNMC(-1) + COWSEMC - COWKSMC

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--Product supply relationships in pork model

Dependent variable	Independent variables							R^2	D.W.	S.E.E.
PIGSC	Intercept	HOGSNBR	HOGSNBR(-1)	$\frac{\text{BAGPM}\,\pi}{\text{FDP}}$	$\frac{\text{BAGPM}\,\pi(-1)}{\text{FDP}}$	$\frac{\text{BAGPM7C}(-2)}{\text{FDP}}$	.DUMPIG			
1952-1976	-2.3495	2.82318	4.60002	.310367	.925648	.349811	3.90689	.439	1.205	5.117
t statistic	-.10	1.29	2.20	.60	2.31	.82	1.14			
elasticity		.278	.458	.053	.157	.059				
BAGKS	Intercept	HOGSM	PIGSC.							
1951-1976	.173438	.814943	.39754					.866	1.763	2.079
t statistic	.03	9.31	6.58							
elasticity		.52	.48							
PORAP	Intercept	SOWKS	BAGKS	.TIME						
1950-1976	-9013.77	342.101	117.333	153.625				.961	.688	240.85
t statistic	-7.00	4.94	12.29	9.74						
elasticity		.211	.775							

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--Product supply relationships in the beef model

Dependent variable	Independent variables						$\bar{R}^2$	D.W.	S.E.E.
BEEAPFD	Intercept	SAHKSFD	$\dfrac{\text{CATPFFD}}{\text{CV1}}$	$\dfrac{\text{CATPFFD}(-1)}{\text{CV1}}$					
1951-76	-1230.14	655.687	-6.88949	36.1042			.998	1.698	178.1
t statistic	(-3.82)	(127.19)	(-0.52)	(2.82)					
elasticity		1.04	-.017	.088					
BEEAPNF	Intercept	CATKSNF	CATPFNF	CATPFNF(-1)	.DUM590*				
1951-76	-1741.68	562.199	32.0826	28.8046	-251.665		.989	2.213	168.8
t statistic	(-6.87)	(44.00)	(2.84)	(2.74)	(-8.59)				
elasticity		1.13	.091	.061					
SAHKSFD	Intercept	.DUM73(-1)	$\dfrac{\text{CATPFFD}}{\text{CV1}}$	$\dfrac{\text{CATPFFD}(-1)}{\text{CV1}}$	COWSNBE(-2)	COWSNBE(-3)			
1952-76	-28.7231	-5.66171	.426829	.264398	1.3344	-.411263	.965	0.904	1.298
t statistic	(-6.11)	(-2.90)	(2.55)	(2.02)	(2.63)	(-0.80)			
elasticity			.625	.395	2.26	-.669			
SAHKS	Intercept	.DUM73(-1)	$\dfrac{\text{CATPFFD}}{\text{CV1}}$	COWSNBE(-2)	COWSNBE(-3)	.DUM590*			
1952-76	1.55554	-2.81983	.0998915	.987466	-.331625	-.856295	.943	1.111	1.350
t statistic	(0.33)	(-1.88)	(0.78)	(2.52)	(0.84)	(-2.32)			
elasticity			.110	1.26	-.407				

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--Supply relationships in the veal sector

Dependent variable	Independent variables			$\bar{R}^2$	D.W.	S.E.E.
CALSC	Intercept	COWSNBE @ 2	COWSNMC @ 2			
1950-75	-.177172	.931742	.890559	.984	0.487	0.514
t statistic	(-0.06)	(20.21)	(9.69)			
elasticity		.663	.341			
CALDD	Intercept	CALSC	.TIME			
1950-76	-2.65437	.146223	-.0139356	.609	0.936	0.392
t statistic	(-3.09)	(3.28)	(-0.60)			
elasticity		2.28				
CATDDNC	Intercept	COWSNBE @ 2	COWSNMC @ 2			
1950-75	-1.44934	.0582292	.0798956	.661	0.993	0.126
t statistic	(-2.06)	(5.17)	(3.56)			
elasticity		1.08	.802			
CALKS	Intercept	(CALSC-CALDD)	.TIME			
1950-75	23.5616	.565631	-.614362	.840	0.674	1.294
t statistic	(7.55)	(3.34)	(-7.73)			
elasticity		2.90				
VEAAT	Intercept	CALKS	VEAIR/CALPF			
1950-76	-116.089	110.478	5021.05	.991	1.949	32.46
t statistic	(-3.62)	(52.86)	(7.25)			
elasticity		.919	.205			

--Farm supply relationships in the dairy model

Dependent variable	Intercept	Independent variables			$\bar{R}^2$	D.W.	S.E.E.
FEEDFCNA		**MILAP**	**$\dfrac{MILPF}{FDD}$**	**HAYDFMC**			
1950-76	-14.5327	.546549	1.31718	-.293175	.578	1.531	1.787
t statistic	-1.18	3.94	2.05	-4.95			
elasticity		2.81	.198	-1.39			
HAYDFMC		**MILAP**	**$\dfrac{MILPF}{FDD}$**	**FEEDFCNA**			
1950-76	-71.3769	1.83524	.698549	-1.75909	.790	1.757	4.378
t statistic	-2.61	8.47	.41	-4.95			
elasticity		1.99	.022	-.37			
MILAP		**FEEDFCNA**	**HAYDFMC**	**COWSNMC(-1)**			
1953-76	49.1472	1.31557	.246721	.817853	.725	1.417	1.956
t statistic	(3.60)	(2.95)	(2.56)	(1.98)			
elasticity		.261	.227	.106			
MILBC		**COWSNMC(-2)**	**.TIME**				
1951-76	2.6339	.105373	-.0322718		.964	0.208	.128
t statistic	(1.22)	(2.40)	(-1.43)				
elasticity		.750					

--Supply relationships in the poultry sector

Dependent variable	Independent variables						$\bar{R}^2$	D.W.	S.E.E.
CHISPYO	Intercept	$\dfrac{\text{CHIPWBR9C}}{\text{FDC}}(-1)$	$\dfrac{\text{CHIPWBR9C}}{\text{FDC}}$	EGGBB					
1959-76	3113.83	19.9729	-307.91+4.23638·TIME	-19.3104+.431854TIME			.993	3.032	124.3
t statistic	(4.13)	(0.62)	(-1.38) (1.25)	(-4.21) (6.75)					
elasticity		.042	-.621 .570	-1.03 1.57					
CHIAPOT	Intercept	$\dfrac{\text{CHIPWXB}}{\text{WRHPP}}$	$\dfrac{\text{CHIPAXB}}{\text{WRHPP}}(-1)$	CHISVLA	$\dfrac{\text{CHIPWXB}}{\text{FDC}}$	FDC			
1951-75	-1462.37	4.26557	30.4012	6.53577	-12.6059	50.4933	.977	2.060	50.6
t statistic	(3.19)	(0.64)	(3.67)	(4.39)	(-0.99)	(2.75)			
elasticity		.040	.312	2.11	-.083	.116			
TURAP	Intercept	$\dfrac{\text{TURPF}}{\text{FDT}}$	$\dfrac{\text{TURPF}}{\text{FDT}}(-1)$	.TIME					
1951-76	-2386.75	-28.0449	37.397	57.5503			.959	1.120	86.75
t statistic	(-3.57)	(-2.05)	(2.76)	(8.57)					
elasticity		-.243	.334						
CHISVLA	Intercept	$\dfrac{\text{EGGIR67}}{\text{WRHPP}}$	$\dfrac{\text{EGGIR}\cdot 67}{\text{POLPFEG}}$	FDE					
1951-76	279.094	58.0668	97.8593	-7.77303			.816	0.704	9.361
t statistic	(28.22)	(7.70)	(0.40)	(-2.83)					
elasticity		.152	.0111	-.052					
EGGBB	Intercept	CHISPYO	CHISVLA						
1957-76	-216.329	.0527551	2.0473-.0196216·TIME				.957	1.996	10.11
t statistic	(-2.46)	(3.92)	(2.64) (-1.47)						
elasticity		.968	1.82 -.116						
EGGAP	Intercept	CHISVLA	$\dfrac{\text{EGGPF}}{\text{FDE}}$	.TIME					
1950-76	53.4029	8.82679	11.6137	38.2722			.612	0.985	98.67
t statistic	(0.05)	(4.91)	(1.58)	(5.98)					
elasticity		.509	.042						

--Feed demand relationships in the wheat and feed grain models

CORDF

Dependent variable	Intercept	CORPF	SOMPF	LIVIF	LIVJF	.DUM73	$\bar{R}^2$	D.W.	S.E.E.
1949-75	-707.75	-742.679	39.5041	1099.21	3628.09	827.1	.942	1.381	146.4
t statistic	(-2.27)	(6.46)	(1.19)	(3.72)	(12.57)	(4.81)			
elasticity		-.338	-.053	.425	1.08				

SORDF

Dependent variable	Intercept	SORPF*	FEEPF-S	SAHKSFD	CATPFFD		$\bar{R}^2$	D.W.	S.E.E.
1949-74	-116.634	-330.381	153.836	31.1257	.128899		.956	1.438	46.07
t statistic	(-2.98)	(-3.32)	(2.70)	(18.23)	(0.05)				
elasticity		-1.02	.952	1.36	.009				

BARDF

Dependent variable	Intercept	$\dfrac{BARPF}{LIVIF}$	$\dfrac{FEEPF-B}{LIVIF}$	$\dfrac{WHEPF}{LIVIF}$	$\dfrac{SOMPF}{LIVIF}$	LIVJF	$\bar{R}^2$	D.W.	S.E.E.
1949-74	-53.8503	-252.162	40.8067	60.5431	-14.1307	408.135	.843	1.913	17.00
t statistic	(-1.42)	(-5.13)	(1.39)	(3.95)	(-2.61)	(10.29)			
elasticity		-1.12	.384	.465	-.221	1.74			

OATDF

Dependent variable	Intercept	OATPF	FEEPF-O	MILPF	COWSNMC(-2)+.6COWSEMC	$\bar{R}^2$	D.W.	S.E.E.
1949-74	-400.567	-670.593	79.3089	87.042	62.58	.941	1.788	50.98
t statistic	(-1.75)	(-2.85)	(1.01)	(2.58)	(8.94)			
elasticity		-.521	.207	.476	1.27			

WHEDF

Dependent variable	Intercept	$\dfrac{WHEPF}{CATPFFD}$	$\dfrac{SORPF*}{CATPFFD}$	.DUM6467	.DUM73	$\bar{R}^2$	D.W.	S.E.E.
1949-75	241.193	-4521.92	4051.29	-102.688	118.988	.817	1.423	27.09
t statistic	(10.60)	(-9.46)	(4.80)	(-4.93)	(4.16)			
elasticity		-3.39	1.87					

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—Food demand relationships in the wheat and feed grain models

Dependent variables	Independent variables				$\bar{R}^2$	D.W.	S.E.E.
CORDH*	Intercept	CORPF	.CEN$				
1949-75	201.598	-18.9942	.381844		.943	0.645	16.70
t statistic	(20.61)	(-2.29)	(17.61)				
elasticity		-.084	.447				
OATDH	Intercept	.NPC	$\frac{.PCND-F}{CAPY}$	$\frac{OATPF}{CAPY}$			
1950-75	-310.75	1.26787	218.477	-5.23786	.751	1.739	1.606
t statistic	(-5.03)	(5.75)	(6.01)	(-1.05)			
elasticity		5.71	2.88	-.052			
BARDH	Intercept	BARPF	.CEN$	.DUM620			
1949-74	77.1337	-3.38175	.08934341	-31.5347 + 28.1507*BARPF	.930	1.271	4.165
t statistic	(16.70)	(-1.02)	(6.55)	(-3.80) (3.05)			
elasticity		-.037	.304	-.164 .151			
WHEDH	Intercept	.CEN$	.NPC				
1950-75	498.278	.121071	-.138814 - .0321163*WHEPF		.865	1.789	6.810
t statistic	(14.02)	(4.29)	(-0.61) (-2.25)				
elasticity		.090	-.051 -.023				

2.

--Commercial exports relationships for the wheat and feed grain model

		Independent variables						R̄²	D.W.	S.E.E.
Dependent variable	Intercept									
CORMC	Intercept	CORPF**+E	SOYPM	LIVIF**E6+UK(-1)	.CEIMC$	CORSP+HE6	CORSP+HCC			
1956-74	-1740.11	-109.457	101.719	1037.85	1529.87	-.0434428	-.0123184	.971	2.532	52.06
t statistic	(-3.52)	(-1.55)	(4.58)	(1.94)	(8.02)	(-2.91)	(-1.32)			
elasticity		-.425	.646	2.08	3.48	-.901	-.372			
SORMC	Intercept	SORPF*	SOYPM	LIVIF**E6+UK(-1)	.CEIMC$	CORSP+H6				
1956-75	-872.524	-42.1263	22.1270	823.65	284.397	-.0167477		.915	1.628	17.63
t statistic	(-6.10)	(-2.24)	(3.14)	(5.07)	(4.61)	(-3.65)				
elasticity		-.435	.602	6.87	2.74	-1.48				
WHEMCNS**	Intercept	WHEPF-WHEPX	FEGIF*	(RICPXMG-RICPSMGHO)		WHEST**WD	WHEMG 1/			
1960-75	.840963 2/	-.0779412 2/	.196715 2/	-.00566961 2/		-5.102	-.67842	.939	2.326	59.64
t statistic	(2.49)	(-1.13)	(2.02)	(-0.98)		(-1.94)	(-3.62)			
elasticity	2.83	-.481	.854	.202		-1.92	-.484			

1/WHEMG = WHEMG**D + WHEMG**DE.

2/Multiplied by .NPCW*

24.

--Ending stocks relationships in the livestock model

Dependent variable		Independent variables						$\bar{R}^2$	D.W.	S.E.E.

PORHT1

	Intercept	PORHT1(-1)	$\frac{PORAP}{.NPC}$					$\bar{R}^2$	D.W.	S.E.E.
1950-76	-351.729	.510098	7.66325					.591	2.058	66.75
t statistic	(-1.84)	(3.49)	(2.31)							
elasticity		.526	1.67							

BEEHT

	Intercept	BEEHT(-1)	$\frac{BEEAPFD}{.NPC}$					$\bar{R}^2$	D.W.	S.E.E.
1950-76	23.3176	.560636	1.82957					.744	1.957	45.33
t statistic	(0.79)	(3.46)	(2.55)							
elasticity		.534	.380							

EGGHT

	Intercept	EGGAP	EGGPF					$\bar{R}^2$	D.W.	S.E.E.
1960-76	-16.2563	.0175088	-.93634					.553	1.948	8.411
t statistic	(-0.21)	(1.34)	(-3.72)							
elasticity		2.21	-.843							

CHIHTYO1

	Intercept	CHIHTYO1(-1)	$\frac{CHIIRFR}{CHIPWBR9C}$	$\frac{CHIIRFR}{CHIPWBR9C}(-1)$	DWRPP	DCOSTY		$\bar{R}^2$	D.W.	S.E.E.
1960-76	-29.077	.133106	6801.11	-4993.96	-68.0771	.456414		.404	1.822	7.687
t statistic	(-0.41)	(0.49)	(2.57)	(-1.71)	(-2.07)	(0.70)				
elasticity		.134	6.73	-4.92	-.200	.008				

CHIHTOT1

	Intercept	$\frac{CHIIRFR}{CHIPWXB}(-1)$	DWRPP	DCOSTC				$\bar{R}^2$	D.W.	S.E.E.
1959-76	205.509	-1213.94	301.345	-.323528				.522	1.873	13.038
t statistic	(6.54)	(-3.61)	(3.51)	(-0.21)						
elasticity		-1.37	.303	.0007						

TURHT1

	Intercept	TURHT1(-1)	TURAP	$\frac{TURPR}{.WRHPP}$	$\frac{TURPR}{.WRHPP}(-1)$	.FRMCP4M		$\bar{R}^2$	D.W.	S.E.E.
1960-76	-845.404	.763585	.301768	8.65158	6.00602	-3.5046		.422	1.474	39.987
t statistic	(-2.71)	(2.94)	(3.26)	(1.62)	(1.63)	(-0.45)				
elasticity		.753	2.13	1.05	.751	-.082				

—Ending government stocks in the wheat and feed grain model

Dependent variable	Independent variables			$\bar{R}^2$	D.W.	S.E.E.
CORHHUN	Intercept	CORHHUN(-1)	$\dfrac{CORPG}{CORPF}$			
1951-75	-332.522	.764643	255.27	.812	1.621	181.4
t statistic	(-1.85)	(6.66)	(2.13)			
elasticity		.786	.894			
SORHHUN	Intercept	SORHHUN(-1)	$\dfrac{SORPG}{SORPF*}$			
1951-75	-156.284	.885438	111.2216	.880	0.831	83.68
t statistic	(-1.65)	(11.36)	(1.82)			
elasticity		.895	.786			
OATHH1	Intercept	OATHH1(-1)	$\dfrac{OATPG}{OATPF}$			
1950-74	-98.4429	.907941	35.6722	.769	1.423	22.42
t statistic	(-3.72)	(8.87)	(4.20)			
elasticity		.913	2.22			
BARHH1	Intercept	BARHH1(-1)	$\dfrac{BARPG}{BARPF}$			
1950-74	-31.724	.691546	21.9592	.689	1.827	16.53
t statistic	(-1.84)	(5.23)	(2.18)			
elasticity		.720	1.312			
WHEHH1	Intercept	WHEHH1(-1)	$\dfrac{WHEPL}{WHEPF}$			
1950-75	-268.222	.840844	380.35	.857	1.030	161.4
t statistic	(-1.91)	(9.29)	(2.22)			
elasticity		.860	.630			

—Ending commercial stocks relationships in wheat and feed grain models

Dependent variable	Independent variables						$\bar{R}^2$	D.W.	S.E.E.
CORHCC*	Intercept	CORHHUN	CORPF	CORSP	CORSA(+1)				
1950-75	1628.5	-.118542	-207.125	.0758728	-13.2931		.813	1.707	88.778
t statistic	(5.12)	(-2.20)	(-3.88)	(2.75)	(-3.60)				
elasticity		-.096	-.471	.484	-1.63				
SORHCC*	Intercept	SORHHUN	SORPF*	SORSP	SORSA(-1)				
1951-75	63.4513	-.0369992	-20.7682	.101474	-2.26939		.660	1.763	17.80
t statistic	(2.15)	(-2.01)	(-2.06)	(6.70)	(1.88)				
elasticity		-.200	-.585	1.26	-.974				
OATHCC1	Intercept	OATHCC1(-1)	OATPF	OATSP	OATSA(+1)				
1950-74	197.679	.377063	-69.7952	.253942	-7.37192		.649	1.540	36.14
t statistic	(1.87)	(2.27)	(-1.62)	(3.16)	(-3.90)				
elasticity		.376	-.166	.882	-.750				
BARHCC1	Intercept	BARHCC1(-1)	BARHH1	BARPF	BARSP	BARSA(+1)			
1950-73	19.8285	.378963	-.634138	-40.3361	.330399	-1.48775	.706	1.790	23.54
t statistic	(0.30)	(2.14)	(-1.59)	(-1.90)	(2.61)	(-0.36)			
elasticity		.368	-.196	-.411	1.23	-.179			
WHEAHA1	Intercept	WHEHH1	WHEPF	WHESP	WHESP(+1)	WHEIW			
1950-74	-65.6125	-.16909	-174.08	.287853	-.282231	7.32235	.793	1.577	74.86
t statistic	(-0.51)	(-3.51)	(-4.81)	(2.34)	(-1.96)	(2.15)			
elasticity		-.408	-1.41	1.57	-1.60	3.12			

--Planted acreage relationships in the feed grain model

CORSA

Dependent variable	Intercept	CORPD1	SOYPE	.DUM610	SORSA	.TIME	.DUM661	RATIO 1/	$\bar{R}^2$	D.W.	S.E.E.
1950-75	115.495	-50.0637	-7.31273	6.31885	-.362703	-.457043	8.09272	13.7898	.940	1.553	1.720
t statistic	(8.15)	(-6.16)	(-2.54)	(1.86)	(-2.27)	(-3.26)	(5/36)	(1.64)			
elasticity		-.069	-.223	.040	-.043			.073			

SORSA

Dependent variable	Intercept	SORPD	COLPE	.DUM610	WHESA8S	.DUM661	.DUM661	RATIO 2/	$\bar{R}^2$	D.W.	S.E.E.
1950-75	21.3043	-12.5728	-19.0366	32.0613	-.0011248	1.41676	5.20056		.856	0.966	0.989
t statistic	(13.07)	(-5.38)	(-4.71)	(6.04)	(-5.84)	(2.11)	(2.41)				
elasticity		-.146	-.235	-1.66			.151				

OATSA

Dependent variable	Intercept	.TIME	WHESA	.DUM681	WHESA	WHESD	RATIO 3/	$\bar{R}^2$	D.W.	S.E.E.
1956-76	145.781	-2.08846 + 0.947512·DUM681	.154308	-58.0421		.000184496	6.66415	.981	2.090	1.072
t statistic	(20.36)	(-21.24) (4.11)	(1.81)	(-3.61)		(2.26)	(1.50)			
elasticity			.339			.041	.158			

BARSA

Dependent variable	Intercept	WHESA	WHESD	OATPE	.DUM661	.TIME	RATIO 4/	$\bar{R}^2$	D.W.	S.E.E.
1950-76	34.7907	-.262315	-.000161219	-3.82416	-1.20077	-.12333	3.63651	.841	1.506	1.055
t statistic	(7.17)	(-5.90)	(-2.98)	(-0.91)	(-1.39)	(-2.13)	(3.77)			
elasticity		-1.31	-.060	-.195			.407			

1/Ratio 1 = (.DUM720 * CORPE1 + (1-.DUM720) * CORPF(-1)) /SOYPM(-1).
2/Ratio 2 = (.DUM720 * SORPE + (1-.DUM720) * SORPF*(-1))/WHEPF(-1).
3/Ratio 3 = (.DUM720*OATPE+(1-.DUM720) * OATPF(-1))/BARPF(-1).
4/Ratio 4 = (.DUM720*BARPE+(1-.DUM720)*BARPF(-1))/OATPF(-1).

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--Planted acreage relationships in the wheat model

Dependent variables				Independent variables					$\bar{R}^2$	D.W.	S.E.E.
WHESAW	Intercept	WHEPDW	WHEPE	COLPE	SORPE	$\frac{\text{WHEPF}}{\text{COLPFAU}}$(-1)<1,4,FAR>	$\frac{\text{SORPF*}}{\text{COLPFAU}}$(-1)<1,4,FAR>				
1956-76	7318.6	-10076.4	3106.5	-37668.5	200.229	845548.8 a/	-209739.3 b/	.730	1.840	3029.5
t statistic	(1.08)	(-2.99)	(0.78)	(-2.23)	(0.06)	(3.71)	(-1.50)			
elasticity		-.0288	.104	-.190	.00698	.138	-.180			
WHESAS	Intercept	WHEPDS	WHEPE	.DUM62-72		WHEPF(-1)<1,3,FAR>	BARPF(-1)<1,3,FAR>			
1950-76	3876.79	-5400.62	7424.67	-2662.6		2983.203 c/	-4265.375 d/	.781	2.065	1814.7
t statistic	(1.45)	(-2.72)	(4.21)	(-3.13)		(1.56)	(-1.25)			
elasticity		-.0356	.789			.394	-.335			
WHESA	(WHESAS + WHESAW) * .001									

Individual lag coefficients:

	Lag period			
	-1	-2	-3	-4
a/ $\frac{\text{WHEPE}}{\text{COLPFAU}}$	338219	253665	169110	84554.8
	.455	.341	.228	.114
b/ $\frac{\text{SORPF*}}{\text{COLPFAU}}$	-83895.7	-62921.8	-41947.9	-20973.9
	-.0719	-.0539	-.0360	-.0180
c/ WHEPF	1491.6	994.402	497.201	
	.197	.131	.0656	
d/ BARPF	-2132.69	-1421.79	-710.895	
	-.167	-.112	-.0558	

2.9

--Wheat production and seed demand relationships

Dependent variable		Independent variables				$\bar{R}^2$	D.W.	S.E.E.
WHESP	Intercept	WHESA	WHEWC	$\frac{\text{WHEPP}(-2)}{\text{WHEEU}(-1)}$	.TIME			
1954-75	-2457.99	13.8898	4.10347	11462.6	38.7773	.851	2.489	116.27
t statistic	(-4.29)	(2.93)	(1.25)	(0.81)	(5.70)			
elasticity		.591	.232	.145				
WHESD	Intercept	WHESA(+1)	.TIME					
1950-75	-14.1265	1.19332	+.180743			.989	1.455	1.245
t statistic	(-5.31)	(47.61)	(5.53)					
elasticity		1.04						

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--Supply and utilization identities in the wheat and feed grain models

Dependent variable	Independent variables
CORSPGR	CORSA(-1) * CORSZ(-1)
SORSPGR	SORSA(-1) * SORSZ(-1)
OATSP	OATSA(-1) * OATSZ(-1)
BARSP	BARSA(-1) * BARSZ(-1)
CORSPGR	CORDF + CORDH* + CORMC + CORDS + CORMG + CORHCC* - CORHCC*(-1) + CORHHUN - CORHHUN(-1)
SORSPGR	SORDF + SORMC + SORDS + SORMG + SORHCC* - SORHCG*(-1) + SORHHUN - SORHHUN(-1)
OATSP	OATDF + OATDH + OATDS + OATME + OATHCC1 - OATHCC1(-1) + OATHH1 - OATHH1(-1)
BARSP	BARDF + BARDH + BARDS + BARME + BARHCC1 - BARHCC1(-1) + BARHH1 - BARHH1(-1)
WHESP (-1)	WHEDF + WHEDH + WHEDS + (WHEMC**NS+WHEMG**LD + WHEMG**DE + WHEMX**SO + WHEMXPR + WHEMZ) - WHEMI + WHEHA1-WHEHA1(-1) + WHEHH1 - WHEHH1(-1)
WHEMX	WHEMC**NS + WHEMG**LD + WHEMG**DE + WHEMX**SO

—Supply and utilization identities in the livestock model

Dependent variable	:	Independent variables
HOGKS	:	SOWKS + BAGKS
PORAS	:	PORAP + PORHT1(-1) + PORMI
PORCC	:	PORAS - PORHT1 - PORMX - PORCM
CATKSNF	:	COWKSNF + COWKSMC + SAHKS - SAHKSFD
BEEASNF	:	BEEAPNF + BEEMI
BEEASFD	:	BEEAPFD + BEEHT(-1)
BEEAS	:	BEEASNF + BEEASFD
BEECT	:	BEEAS - BEEMX - BEECM - BEEHT
CHIASYO	:	CHIAPYO + CHIHTYO1(-1)
CHICCYO	:	CHIASYO - CHIHTYO1 - CHICMYO - CHIMXYO
CHIASOT	:	CHIAPOT + CHIHTOT1(-1)
CHICCOT	:	CHIASOT - CHIHTOT1 - CHICMOT - CHIMXOT
TURAS	:	TURAP + TURHT1(-1)
TURCC	:	TURAS - TURHT1 - TURCM-TURMX
EGGAS	:	EGGAP + EGGHT(-1) + EGGMI
EGGCC	:	EGGAS - EGGBB - EGGHT - EGGCM - EGGMX

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Aggregate price and output index identities in the livestock model

Dependent variable		Independent variables
DAIIR	=	.5573MILIR+.2997BUTIR + .1512CHEIRAM + .0937 MILIRIC + .0532 MILIREV + .0004 MILPRDR
LIVIF	=	(1.0871BAGPM7C + .0892 SOWPM7C + 1.2959 CATPFFD + .5657 CATPFNF + .6032CHIPWBR9C + .0761CHIPWXB + .5319 EGGPF + .1722 TURPF))/100
LIVJF	=	(.01487BEEAPFD + .01030BEEAPNF + .01148PORAP + .01504CHISPYO + .00472CHIAPOT + .01871EGGAP +.01166TURAP + 3.00124(MILAP-MILBC))/1000
LIVIR	=	.3354PORIR·67 + .5188BEEIR + .1225CHIIRFR + .0238(TURPR/48.8)

--Input cost identities in the livestock model

Dependent variables	CORPF	SORPF*	OATPF	BARPF	WHEPF	SOMPF
FDP	.8651	.0318	.0493	.0125	.0089	.0325
FDC	.6081	.0513	.0173	.0044	.0031	.3157
FDT	.5091	.1341	.0471	.0119	.0085	.2893
FDE	.4838	.0852	.1263	.0320	.0085	.2500
FDD	.5569	.0469	.2565	.0452	.0227	.2500
FCGFC	.6046	.1428	.0106	.0877	.0102	.0839
					.0004	.1539
	FCGFC	PCSOT	PWØ51*	WRHMP	.FRMCP4M	CATPFFE @ 2
CV1 (1967 = 1.0)						
Weight	.66	.027	.059	.0541	.039	.161
1967 value	1.6023	1.0	1.0	3.42	6.0	24.67

--Price index identities in the feed grain and wheat models

Dependent variables	Independent variables
FEGIF* (1964 = 1.0)	CORDH/LD(CORPF/1.17) + SORDH/LD(SORPF*/1.0528) + OATDH/LD(OATPF/.631) + BARDH/LD(BARPF/.946)
FEEPF-0	(CORPF * CORSPGR + SORPF* * SORSPGR + BARPF * BARSF)/(.56CORSPGR + .56SORSPGR + .48 BARSP)
FEEPF-B	(CORPF * CORSPGR + SORPF* * SORSPGR + OATPF * OATSP)/(.56CORSPGR + .56SORSPGR + .32 OATSP)
FEEPF-S	(CORPF * CORSPGR + BARPF * BARSP + OATPF * OATSP)/(.56CORSPGR + .48BARSP + .320ATSP)

Variable Names

ENDOGENOUS VARIABLES

	NAME	DESCRIPTION	UNITS
1	SOWPM7C	SOWS, MARKET PRICE, 7 MARKETS	$/CWT
2	SC.KS	SOWS, SLAUGHTER, US	MIL. HEAD
3	PIGSEBR	PIGS ADDED TO BREEDING HERD	MIL. HEAD
4	PIGSC	PIGS, CROP, US	MIL
5	HOGKS	HOGS, SLAUGHTER, TOTAL, US	MIL
6	PORAP	PORK, PRODUCTION, US	MIL LBS.
7	PORIR.67	PORK, RETAIL PRICE INDEX, US	INDEX 1967=1.0
8	BAGPM7C	BARROWS AND GILTS, PRICE, SEVEN MARKETS	$/CWT
9	HOGSNBR	HOGS, BREEDING, NUMBER ON FARMS, DEC 1, US	MIL. HEAD
10	HOGSM	HOGS, MARKET, NUMBER ON FARMS, US	MIL. HEAD
11	PORCC	PORK, CIVILIAN DISAPPEARANCE, US	MIL LBS
12	BAGKS	BARROWS AND GILTS SLAUGHTERED	MIL. HEAD
13	PORHT1	PORK, ENDING STOCKS, US	MIL LB
14	PORAS	PORK, SUPPLY, US	MILLION LBS.
15	BEEAPFD	TOTAL PROD FED BEEF	MILLION LBS
16	SAHKSFD	STEER AND HEIFER FED SLAUGHTER, US	MIL HEAD
17	BEEIR	BEEF, RETAIL PRICE INDEX	INDEX 1967 =1.
18	COWKSNF	COWS, BEEF NON-FED, SLAUGHTER, US	MIL. HEAD
19	COWSN3E	COWS, BEEF, NUMBER ON FARMS, JAN 1, US	MIL
20	CATPFFE	CATTLE, FEEDER, PRICE, US	$/CWT
21	SAHKS	STEER AND HEIFER SLAUGHTER, US	MIL HEAD
22	CATPFFD	CATTLE, FED, PRICE	$/CWT
23	HEISBBE	HEIFERS, BEEF, NUMBER FOR BREEDING, US	MIL. HEAD
24	BEEAPNF	TOTAL PROD NON-FED BEEF	MIL. LBS.
25	CATKSNF	CATTLE, NON-FED, SLAUGHTER, NUMBER, US	MIL. HEAD
26	CATPFNF	CATTLE, NON-FED, PRICE, US	$/CWT
27	BEEASNF	TOTAL SUPPLY NON-FED BEEF	MIL. LBS
28	BEEASFD	TOTAL SUPPLY OF FED BEEF	MILLION LBS
29	BEEAS	BEEF, TOTAL SUPPLY, US	MIL. LBS
30	BEECT	BEEF, CIVILIAN CONSUMPTION, US	MIL LBS
31	CATKAFD	CATTLE, FED, AVERAGE WEIGHT, SLAUGHTER, US	LBS/HEAD
32	CATKANF	CATTLE, NUNFED, AVERAGE WEIGHT, SLAUGHTER, US	LBS./HEAD
33	BEEHT	BEEF, ENDING STOCKS, US	MIL LBS
34	CHISPYO	CHICKENS, YOUNG, PRODUCTION, RTC, US	MIL. LBS.
35	CHIAPOT	CHICKENS, OTHER, PRODUCTION, RTC, US	MIL. LPS.
36	CHIHTYO1	CHICKENS, YOUNG, RTC, ENDING STOCKS	MIL LB
37	CHIHTOT1	CHICKENS, OTHER, RTC, ENDING STOCKS	MIL LB
38	CHICCYO	CHICKEN, YOUNG, RTC, CIVILIAN DISAPPEARANCE, US	MIL LBS
39	CHICCOT	CHICKEN, OTHER, RTC, CIVILIAN DISAPPEARANCE, US	MIL LBS

	NAME	DESCRIPTION	UNITS
40	CHIRFR	CHICKENS, FRYING, RETAIL PRICE INDEX, US	INDEX 1967=1
41	CHIPWBR9C	BROILERS, 9-CITY WHOLESALE PRICE, RTC	CENTS/LB
42	CHIPWAB	CHICKENS, NONBROILER, WHOLESALE PRICE, US	CENTS/LB
43	CHIFR	CHICKEN, RETAIL PRICE, US	CENTS/LB
44	CHIASYO	CHICKENS, YOUNG, TOTAL SUPPLY, US	MIL. LBS.
45	CHIASUT	CHICKENS, OTHER, TOTAL SUPPLY, US	MIL., LBS.
46	TURAP	TURKEY, PRODUCTION, RTC, US	MIL. LBS.
47	TURHT1	TURKEYS, RTC, ENDING STOCKS	MIL. LB
48	TURCC	TURKEY, RTC, CIVILIAN DISAPPEARANCE, US	MIL LBS
49	TURPR	TURKEY, RETAIL PRICE, US	CENTS/LB
50	TURPF	TURKEYS, LIVEWEIGHT, AVERAGE PRICE RECEIVED BY FARMERS, US	CENTS/LB
51	TURAS	TURKEY, SUPPLY, RTC, US	MIL. LBS.
52	CHISVLA	CHICKENS, LAYERS, NUMBER ON FARMS, US	MIL. HEAD
53	EGGAP	EGGS PRODUCTION, US	MIL DOZ
54	EGGHT	EGGS, ENDING STOCKS, US	MIL DOZ
55	EGGIR.67	EGGS, RETAIL PRICE INDEX, 67=1.0	INDEX
56	EGGPF	EGGS, AVERAGE PRICE RECEIVED BY FARMERS, US	CENTS/DZ
57	EGGCC	EGGS, CIVILIAN DISAPPEARANCE, US	MIL DOZ
58	EGGPRAL	EGGS, LARGE GRADE A, RETAIL PRICE, US	CENTS/DOZ
59	EGGAS	EGGS, SUPPLY, US	MIL. DOZ.
60	EGGBB	EGGS USED FOR HATCHING	MIL. DOZ.
61	COWSNMC	COWS, NUMBER ON FARMS, JAN 1, US	MIL
62	COWKSYC	COWS, DAIRY, SLAUGHTER, US	MILLION HEAD
63	COWSEMC	COWS, DAIRY, ADDITIONS TO HERD, US	MIL. HEAD
64	HAYDFMC	HAY AND HARVESTED OTHER ROUGHAGES, CONSUMPTION BY MILK COWS	MIL. TON
65	FEEDFCNDA	FEED, CONCENTRATES FED DAIRY CATTLE, US	MIL. TON
66	MILBC	MILK ,FED TO CALVES	BIL LBS
67	MILAP	MILK, TOTAL PRODUCTION, US	BIL LB
68	MILPF	MILK, ALL WHOLESALE, AVE PRICE RECEIVED BY FARMERS, US	$/CWT
69	MILCCFZ	MILK, FROZ DAIRY PROD, CIVILIAN DISAPPEARANCE, US	MIL LBS
70	MILCCDR	MILK, DRY WHOLE, CIVILIAN DISAPPEARANCE, US	MIL LBS
71	MILCCEC	MILK, COND&EVAP, CIVILIAN DISAPPEARANCE, US	MIL LBS
72	MILCCMC	MILK, FLUID PLUS CREAM, CIVILIAN DISAPPEARANCE, US	BIL LBS
73	CHECT	CHEESE ,CIVILIAN DISAPPEARANCE	MIL LBS
74	BUTCC	BUTTER, CIVILIAN DISAPPEARANCE, US	MIL LBS
75	MILIREV	MILK, EVAPORATED, RETAIL PRICE INDEX, US	1967=1.0
76	MILIR	MILK, FLUID, RETAIL PRICE INDEX, US	1967=1.0
77	MILIRIC	MILK, ICE CREAM, RETAIL PRICE INDEX, US	1967=1.0
78	MILPRDR	MILK, NONFAT WHOLESALE PRICE, US	CENTS/LB
79	BUTIR	BUTTER, RETAIL PRICE INDEX, US	1967=1.0

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****ENDOGENOUS VARIABLES****

NAME	DESCRIPTION	UNITS
80 CHEIRAM	CHEESE, AMERICAN, RETAIL PRICE INDEX, US	INDEX 1967=1.0
81 DAIIR	DAIRY PRODUCTS, WEIGHTED RETAIL PRICE	1967 = 1.0
82 LIVIF	LIVESTOCK PRICE INDEX (1953-57 FARM PRICES)	1967=1.0
83 LIVJF	LIVESTOCK OUTPUT: INDEX	1967=1.0
84 LIVIR	MEAT; RETAIL PRICE INDEX: BEEF, PORK, CHICKEN, TURKEY AT HOME	1967=1.0
85 CCRDF	CORN, UTILIZED FOR FEED, OCT-SEP, US	MIL BU
86 SCRDF	SORGHUM, UTILIZED FOR FEED, OCT-SEP, US	MIL BU
87 OATDF	OATS, UTILIZED FOR FEED, JUL-JE, US	MIL BU
88 BARDF	BARLEY, UTILIZED FOR FEED, JUL-JE, US	MIL BU
89 CORHCC*	CORN, TOTAL STOCKS LESS GOVT OWNED-UNCOMMITTED, OCT 1	MIL BU
90 SORHCC*	TOTAL STOCKS LESS (GOVT OWNED-UNCOMMITTED) OCT 1	MIL BU
91 OATHCC1	OATS, COMMERCIAL STOCKS END OF CROP YEAR, SEPT 30	MIL BU
92 BARHCC1	BARLEY, COMMERICAL STOCKS END OF CROP YEAR, SEPT 30	MIL BU
93 CCRGH*	CORN, UTILIZED FOR FOOD, US	MIL BU
94 BARDH	BARLEY, UTILIZED FOR FOOD, MALT LIQUOR, &DISTILLED SPIRITS, US	MIL BU
95 OATDH	OATS, UTILIZED FOR BREAKFAST FOOD, JUL-JE, US	MIL BU
96 CORSPGR	CORN, PRODUCTION FOR GRAIN, OCT-SEP, US	MIL BU
97 SORSPGR	SORGHUM, PRODUCTION OF GRAIN, OCT-SEP, US	MIL BU
98 OATSP	OATS, TOTAL PRODUCTION, JUL-JE, US	MIL BU
99 BARSP	BARLEY, TOTAL PRODUCTION, JUL-JE, US	MIL BU
100 CORHC	CORN, EXPORTS TO ALL IMPORTING REGIONS EXCEPT PRC & USSR	MIL BU
101 SORMC	SORGHUM, EXPORTS TO ALL IMPORTING REGIONS EXCEPT PRC & USSR	MIL BU
102 CORPF	CORN, AVERAGE PRICE RECEIVED BY FARMERS, OCT-SEP, US	$/BU
103 SCRPF*	SORGHUM, FARM PRICE, OCT YR	$/BU
104 CATFF	OATS, AVERAGE PRICE RECEIVED BY FARMERS, JUL-JE, US	$/BU
105 BARPF	BARLEY, AVERAGE PRICE RECEIVED BY FARMERS, JUL-JE, US	$/BU.
106 FEEPF-O	FEED GRAIN FARM PRICE: WEIGHTED EXCLUDING OATS	$/CWT
107 FEEPF-B	FEED GRAIN FARM PRICE: WEIGHTED EXCLUDING BARLEY	$/CWT
108 FEEPF-S	FEED GRAIN FARM PRICE: WEIGHTED EXCLUDING SORGHUM	$/CWT
109 FEEPF-C	FEED GRAIN FARM PRICE: WEIGHTED EXCLUDING CORN	$/CWT
110 CCRSA	CORN, ACREAGE PLANTED FOR ALL PURPOSES, OCT-SEP, US	MIL ACPE
111 SCRSA	SORGHUM, TOTAL ACREAGE PLANTED, OCT-SEP, US	MIL ACPE
112 OATSA	OATS, TOTAL ACREAGE PLANTED, JUL-JE, US	MIL ACRE
113 BARSA	BARLEY, TOTAL ACREAGE PLANTED, JUL-JE, US	MIL ACPE
114 CORHUN	CORN, INVENTORY (GOVT OWNED-UNCOMMITTED) OCT 1	MIL PU
115 SORHHUN	SORGHUM, INVENTORY (GOVT OWNED-UNCOMMITTED) OCT 1	MIL PU
116 OATHH1	OATS, GOVERNMENT HOLDING, END OF CROP YEAR, SEPT 30	MIL BU
117 BARHH1	BARLEY, GOVERNMENT HOLDING, END OF CROP YEAR, SEPT 30	MIL BU
118 CALKS	CALVES: SLAUGHTER, TOTAL, US	MIL
119 CALPF	CALVES: VEAL, AVERAGE PRICE RECEIVED BY FARMERS, US	$/CWT

NAME	DESCRIPTION	UNITS
		1967=1.0
120 VEAIR	VEAL, RETAIL PRICE INDEX	MIL. LBS.
121 VEAAT	VEAL, PRODUCTION, COMMERCIAL, CARCASS WEIGHT, US	MIL HEAD
122 CALSC	CALVES, NUMBER BORN, US	MIL HEAD
123 CALDD	CALVES, DEATH LOSS, US	MIL.HD.
124 CATLDNC	CATTLE LOST NOT CALVES	MIL BU
125 WHEDH	WHEAT, UTILIZED FOR FOOD, JUL-JE, US	
126 WHESAW	WHEAT, WINTER, ACREAGE PLANTED IN CAL. YR.	1000 ACRES
127 WHESAS	WHEAT, SPRING, ACREAGE PLANTED IN CAL YR	1000 ACRES
128 WHESA	WHEAT, TOTAL ACREAGE PLANTED, JUL-JE, US	MIL ACRE
129 WHESP	WHEAT, TOTAL PRODUCTION, JUL-JE, US	MIL BU
130 WHESZ	WHEAT, YIELD PER ACRE PLANTED, JUL-JE, US	BU
131 WHEDS	WHEAT, UTILIZED FOR SEED, JUL-JE, US	MIL BU
132 WHEHA1	WHEAT, PRIVATELY OWNED STOCKS, END OF CROP YEAR	MIL BU
133 FEGIF*	FEED GRAIN PRICE INDEX, LDC WEIGHTS	1964 = 1.0
134 WHEMC..NS	U.S. COMMERCIAL WHEAT AND FLOUR EXPORTS TO NON-SOC. COUNT	MIL BU(JUL-JU
135 WHEMX	WHEAT, TOTAL EXPORTS, JUL-JE, US	MIL BU
136 WHEDF	WHEAT, UTILIZED FOR FEED, JUL-JE, US	MIL BU
137 WHEPF	WHEAT, AVERAGE PRICE RECEIVED BY FARMERS, JUL-JE, US	$/BU
138 WHEHH1	WHEAT, CCC OWNED STOCKS IN OWN FACILITIES, END OF CROP YEAR	MIL BU
139 MILSPEC	MILK, COND&EVAP, PRODUCTION, US	MIL LBS
140 MILSPFZ	MILK, FROZEN PROD, PRODUCTION, SU	BIL LBS
141 CHESP	CHEESE ,TOTAL PRODUCTION	MIL LBS

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	NAME.	DESCRIPTION	UNITS
1	.NPC	POPULATION, TOTAL, US	MIL
2	.CENS	PERSONAL CONS. EXP. NONDURABLE GOODS AND SERVICES	BIL. $
3	FISIR	FISH, RETAIL PRICE INDEX, US	1967 = 1.0
4	.YPD	REAL PERSONAL DISPOSABLE INCOME, US	BIL $
5	.JRHMP	WAGE RATE IN MEAT PACKING INDUSTRY	$/HR
6	PIGDD	PIGS: DEATH LOSS PERCENTAGE	PERCENT
7	.FMRPRIME	AVERAGE RATE SHORT-TERM LOANS TO BUSINESS	%
8	.PW51*	FUEL, POWER, LIGHT INDEX (1967=1.0)	1967=1.0
9	.PCND-F	CONSUMER PRICE INDEX, NON DURABLES LESS FOOD	1967=1.0
10	.SRHPP	WAGE RATE IN POULTRY PROCESSING INDUSTRY	$/HR.
11	.PCSOT	TRANSPORTATION COST INDEX-CPI	1967=1.0
12	PORMX	PORK, EXPORTS, US	MIL. LBS.
13	PORMI	PORK, IMPORTS, US	MIL LBS
14	PORCM	PORK, MILITARY USE, US	MIL LBS
15	GASIR	GASOLINE, RETAIL PRICE INDEX, US	INDEX 1967=1.0
16	MILPGAP	SUPPORT PRICE FOR MILK, YR BEGINNING APRIL	$/CWT
17	BEEMI	BEEF, IMPORTS, US	MIL LBS
18	BEFMX	BEEF EXPORTS	MIL. LBS.
19	BEECM	BEEF, MILITARY USE, US	MIL LBS
20	PASMC	RANGE CONDITIONS, PREVIOUS OCT, SOUTHERN PLAINS	RATIO
21	CHICMYO	CHICKEN, YOUNG, RTC, MILITARY USE, US	MIL LBS
22	CHICMOT	CHICKEN, OTHER, RTC, MILITARY USE, US	MIL LBS
23	CHIMXOT	CHICKENS, OTHER, EXPORTS, RTC, US	MIL. LBS.
24	CHIMXYU	CHICKENS, YOUNG, EXPORTS, RTC, US	MIL. LBS.
25	TURCM	TURKEY, RTC, MILITARY USE, US	MIL LBS
26	TURMX	TURKEY, EXPORTS, US	MIL. LBS.
27	EGGMI	EGG, IMPORTS, US	MIL DOZ
28	EGGCM	EGGS, MILITARY USE, US	MIL DOZ
29	EGGMX	EGGS, EXPORTS, US	MIL. DOZ.
30	POLPFEG	POULTS, FARM PRICE, US	$/100 HEAD
31	.FRMCP4M	INTEREST RATE PRIME RATE 4-6 MO.	PERCENT
32	.JRHD	WAGE RATE ALL DAIRY INDUSTRY	$/HR
33	.JRHFM	WAGE RATE IN FLUID MILK INDUSTRY	$/HR
34	.JRHIC	WAGE RATE ICE CREAM INDUSTRY	$/HR
35	.TIME	YEAR	INDEX
36	CORMG	CORN EXPORTS, POLICY DECISIONS (NET EXPORTS-CORMC)	MIL BU
37	SORHG	SORGHUM EXPORTS, POLICY DECISIONS (NET EXPORTS-SORMC)	MIL PU
38	OATME	OATS,NET EXPORTS,JULY-JUNE,US	MIL BU
39	BARME	BARLEY,NET EXPORTS, JULY-JUNE,US	MIL BU

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EXOGENOUS VARIABLES

NAME	DESCRIPTION	UNITS
40. LIVIF**E6+UK	LIVESTOCK PRICE INDEX FOR EEC-6 & U.K.	INDEX
41. .CEIMCS	PERSONAL CONSUMPTION EXPENDITURES IN IMPORTING COUNTRIES	INDEX
42. CORSP+HE6	CORN PRODUCTION PLUS BEGINNING STOCKS IN EEC-6	1000 M.T.
43. LIVJG-E6+J+UK	LIVESTOCK IN EEC, JAPAN AND UK (IN ANIMAL UNITS)	THOU HEAD
44. CORSP+HCC	CORN PRODUCTION PLUS BEGINNING STOCKS IN COMPETITIVE COUNTRIES	1000 M.T.
45. CORDS.	CORN, UTILIZED FOR SEED, OCT-SEP, US	MIL BU
46. SCRDS	SORGHUM, UTILIZED FOR SEED, OCT-SEP, US	MIL BU
47. OATDS	OATS, UTILIZED FOR SEED, JUL-JE, US	MIL BU
48. BARDS	BARLEY, UTILIZED FOR SEED, JUL-JE, US	MIL BU
49. CORSZ	CORN, YIELD PER ACRE PLANTED, OCT-SEP, US	BU/ACRE .
50. SCRSZ	SORGHUM, YIELD PER PLANTED ACRE, OCT-SEP, US	BU
51. OATSZ	OATS, YIELD PER ACRE PLANTED, JUL-JE, US	BU
52. BARSZ	BARLEY YIELD/PLANTED ACRE, US, JUL-JE.	BU/PLANTED ACRE
53. CORPG	CORN SUPPORT PRICE, US, OCT-SEP	$/CWT
54. SORPG	SORGHUM SUPPORT PRICE, US, OCT-SEP	$/CWT
55. OATPG	OATS, SUPPORT PRICE	$/BU
56. BARPG	BARLEY, GOVERNMENT SUPPORT PRICE	$ / CWT
57. CORPE1	CORN, EFFECTIVE SUPPORT RATE(SUPPORT PAY INCL IN DIV PAY), US	$/BU
58. SCRPE	SORGHUM, EFFECTIVE SUPPORT RATE, OCT-SEP, US	$/CWT
59. OATPE	OATS, EFFECTIVE SUPPORT RATE, JUL-JE, US	$/BU
60. BARPE	BARLEY, EFFECTIVE SUPPORT RATE, JUL-JE, US	$/BU
61. CORPD1	CORN, EFFECTIVE DIVERSION RATE(SUPPORT PAY INCL IN DIV PAY), US	$/BU
62. SORPD	SORGHUM, EFFECTIVE DIVERSION PAYMENT RATE, OCT-SEP, US	$/CWT
63. WHEPDW	WHEAT, WINTER, EFFECTIVE DIVERSION PAYMENT RATE	
64. WHEPE	WHEAT, EFFECTIVE SUPPORT RATE, JUL-JE, US	
65. WHEPL	WHEAT, LOAN RATE, JUL-JE, US	$/BU
66. WHEPX	U.S. SEASON AVERAGE EXPORT PAYMENT RATE ON WHEAT	$/BU
67. WHESD	WHEAT DIVERTED ACRES, US.	$/BU.
68. WHEI	WHEAT, WHOLESALE PRICE INDEX, US	1000 ACRES
69. WHESARS	WHEAT ACREAGE PLANTED IN 8 STATES, US	X
70. WHEEU	WHEAT, USED IN PROD. OF FERTILIZER PRICE(AUG-SEP AV)	1000 ACRES
71. WHEWC	WHEAT, WEATHER (PASTURE), INDEX	1967=100
72. WHEMG**LD	U.S. WHEAT EXPORTS TO LDC'S - PL480 AND AID (JULY-JUNE)	X OF NORM
73. WHEMG**DE	U.S. WHEAT & FLOUR EXPORTS TO DEV. COUNTRIES-PL480 & AID	MIL BU(JUL-JUN)
74. WHEMX**SO	U.S. WHEAT AND FLOUR EXPORTS TO SOCIALIST COUNTRIES	MIL BU(JUL-JUN)
75. WHEMXPR	WHEAT, EXPORTS OF PRODUCTS, JUL-JE, US	MIL BU(JUL-JUN)
76. WHEMI	WHEAT, TOTAL IMPORTS, JUL-JE, US	MIL BU
77. WHEM2	RESIDUAL TO ACC'T FOR DIFF IN WHEAT&FLR EXPORT DEF'N'S	MIL BU
78. NPCJ.	POPULATION IN MAJOR WHEAT IMPORTING COUNTRIES	MILL HU

...EXCGENOUS VARIABLES...

NAME	DESCRIPTION	UNITS
80 .CEPC	INDEX OF REAL PER CAP PERSONAL CONS EXPS XU.S.	1967=1.0
81 CORDH/LD	CORN, PERCENT OF LDC'S USED FOR FOOD	PERCENT
82 SORDH/LD	SORGHUM, PERCENT OF LDC'S USED FOR FOOD	PERCENT
83 OATDH/LD	OATS, PERCENT OF LDC'S USED FOR FOOD	PERCENT
84 BARDH/LD	BARLEY, PERCENT OF LDC'S USED FOR FOOD	PERCENT
85 .DUM590.*	DUMMY VARIABLE TO SPLICE DATA	NONE
86 .DUMPIG	DUMMY FOR DATA REDEFINITION OF BREEDING HOGS.=1 1950-1963	
87 .DUM720	DUMMY VAR EQ. 1 TO 1971 & 0 AFTER	DUMMY VAR
88 .DUM631	DUMMY VAR EQ. 0 TO 1967 & 1 AFTER	DUMMY VAR
89 .DUM661	DUMMY VAR EQ.0 TO 1965 & 1AFTER	DUMMY VAR
90 .DUM610	DUMMY VARIABLE EG1 TO 1961 & 0 AFTER	DUMMY VAR
91 .DUM561	DUMMY 1946-58=0.	
92 .DUM610	DUMMY VARIABLE EG1 TO 1961 & 0 AFTER	DUMMY VAR
93 .DUM650	DUMMY VARIABLE,1948-65=1.	
94 .DUM630	DUMMY VARIABLE,1948-63=1.	
95 .DUM620	DUMMY VARIABLE,1948-62=1.	
96 .DUM530	DUMMY VARIABLE,1948-53=1.	
97 .DUM73	DUMY VARIABLE FOR U.S. FEED EGN	
98 .DUM6467	DUM. VARIABLE FOR U.S. WHEAT FEED EGN	
99 .DUM62-72	DUMY VARIABLE FOR ACREAGE EGN.	
100 RICPSMGHO	U.S. PRICE MEDIUM GRAIN RICE, FOB-HOUSTON, (AUG-SEP)	0/1
101 RICPXMG	SEASON AVERAGE EXPORT PAYMENT RATE FOR MEDIUM GRAIN RICE	0/1
102 COLPE	COTTON, EFFECTIVE SUPPORT RATE, AUG-JUL, US	0/1
103 COLPFAU	COTTON, AM UPLAND, AVE PRICE REC BY FARMERS, AUG-JULY, US	S/CWT
104 SCYPE	SOYBEANS, EFFECTIVE SUPPORT RATE, SEP-AUG, US	S/CWT
105 SOYPF	SOYBEANS,MKT.PRICE,#1 YELLOW ILL.PTS,SEPT-AUG	S/LB
106 SOMPF	SOYBEAN MEAL PRICE, US (C.Y.)	CENTS/LB
107 CORPF...E	CORN, PRICE + EEC VARIABLE LEVY (C.Y.)	S/BU
108 WHEPDS		S/PU
		CENTS/LB

Selected Impact Multipliers

The Impact of a One-Period Increase in the Amount
of $100 Billion in Personal Consumption Expenditures
on Nondurable Goods and Services

PERIUD

VARIABLE	1	2	3	4	5	6	7	8	9
.CEN3	100.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUMPM7C	5.1114	-0.6428	-0.4005	0.2403	0.7920	0.0408	0.6335	0.7038	0.5485
SUMAS	-0.0134	-0.0533	-0.0257	-0.0305	-0.0238	0.0256	0.0404	0.0071	-0.0220
PIGSE3R	0.0007	-0.0015	-0.0011	-0.0014	-0.0041	0.0004	0.0028	0.0018	-0.0053
PIGSC	0.0056	-0.0722	-0.6311	-0.0745	-0.4790	0.4677	-0.1760	-0.6748	-0.5053
HUGAS	0.0206	0.0025	-0.5025	-0.3561	0.0861	0.4252	0.2198	-0.3072	-0.5458
PURAP	-0.5928	19.3245	-41.2669	-48.6424	4.9859	55.6563	34.8735	-34.4517	-68.7655
PURIR.67	0.1854	-0.0225	-0.0147	0.0090	0.0287	0.0018	-0.0232	-0.0253	-0.0194
BAGPM7C	4.0388	-0.5243	-0.2386	0.0053	0.6985	-0.1274	-0.4197	0.6595	0.6018
HOGSAMR	0.0141	-0.0407	-0.0161	0.0130	0.0328	0.0076	-0.0301	-0.0354	-0.0166
HOGSM	-0.0465	-0.0319	-0.5632	-0.0963	0.2622	0.3058	-0.0565	-0.3947	-0.3434
PU-CC	-0.5679	18.6095	-39.4602	-47.4677	3.6805	53.1790	34.3449	-32.2485	-60.4710
BAGKS	-0.0340	0.0092	0.2769	-0.3256	0.1120	0.3998	0.1793	-0.3145	-0.5218
PURM1	-0.0215	0.6822	-1.1221	-2.3052	0.9983	1.4734	1.9939	-0.2100	-2.5567
PURAS	-0.5928	19.2957	-40.5807	-49.7706	2.6830	54.6567	36.5434	-32.4532	-68.9704
UEEAPPD	757.0945	173.2051	43.1079	14.6741	74.2797	-146.4546	-28.7213	27.9225	18.2635
SAHKSPD	1.1858	-0.0958	0.1347	0.0840	0.1393	0.1330	0.0804	0.0416	0.0156
BEEIR	0.2559	-0.0501	0.0951	0.0690	0.1151	0.0497	0.1297	0.0850	0.0307
CUNKSMF	-0.8008	0.2093	0.5905	0.4980	0.7150	0.1098	0.9969	0.5824	0.2706
CUMSADE	0.8008	0.7998	0.9644	0.1702	0.7435	0.8632	-0.5100	0.2977	0.9541
CATPFPE	0.8089	-2.3024	-5.4164	-2.4029	-4.1348	-1.8625	4.8070	3.0871	1.0157
SAHKS	0.2770	-0.1492	0.6646	-0.4493	0.5419	-0.0535	-0.6219	0.5221	-0.1967
CATPFPD	8.1400	-1.6686	-2.8035	-2.0326	-3.5334	1.5319	4.0841	2.6685	0.9128
HEISHDE	0.0	-0.2245	0.7711	-0.2769	0.1972	-0.2444	-0.3610	0.2151	-0.3917
BEEAP3F	-709.0013	131.7617	497.5852	332.3027	455.2200	-66.1242	-528.9709	-396.7148	-155.9174
CATKSMF	-1.6359	-0.0459	1.0775	0.8205	1.0748	-0.0184	-1.2063	-1.0521	-0.4702
CATPFNF	0.5498	-0.9091	-42.6822	-1.7734	-3.0522	-1.0026	5.7513	2.7035	0.9523
BEEASNF	-709.6013	131.7617	497.5852	332.3027	455.2200	-66.1242	-528.9709	-396.7148	-155.9174
BEEASPD	757.0945	179.8178	448.8624	17.9250	76.4318	-144.7305	529.0002	27.5177	18.6386
BEEAS	47.4893	311.5793	545.8457	350.2278	531.4519	-210.8547	-29.0002	-369.1738	-137.4414
BEECT	40.9408	306.4326	542.5930	344.2756	529.7317	-210.5741	-557.5662	-369.2004	-137.4414
CATKAFD	0.0496	4.4622	-1.5143	-1.3415	-0.4561	-1.9728	-0.7257	1.7326	0.8957
CATKANF	17.1445	10.4716	-6.5949	-6.5293	-8.6340	-4.3661	13.4406	19.5397	8.8018
BEEHT	6.5370	5.1495	3.2536	1.9449	1.7246	-0.2791	-0.4005	0.0135	0.1660
CHISPYO	106.8429	74.4720	-42.6822	-11.4786	-23.9996	3.5371	34.0300	31.7035	17.6566
CHIAPUT	37.9924	24.5068	-4.0502	-3.3447	-5.4297	-0.9047	4.0310	3.9034	1.8420
CHIHTYO1	0.0425	-0.1347	4.9198	0.1850	0.5855	-0.9740	-2.3102	-2.4343	-3.3308
CHIHTUT1	-1.5197	18.0757	-1.6704	1.5557	-1.1977	-6.7598	9.3908	232.8495	90.3407
CHICLYO	106.8009	74.6492	-72.0946	-12.5830	-14.4044	5.1066	35.3659	-31.8242	18.5505
CAICCUT	39.5121	5.1114	15.0956	-24.4044	3.9972	-12.1281	-219.5476	144.3916	
CHIIHPR	0.3559	-0.0513	-0.0144	-0.0175	-0.0311	0.0117	-0.0255	-0.0157	0.0055
CHIPMDKYC	7.4693	-1.5802	0.3524	-0.4748	-0.0487	0.3245	0.0989	0.4287	0.1518
CHIPAXB	5.7124	-0.4445	-0.1713	-0.1967	-0.3516	0.1200	0.2867	0.1821	0.0603
CHIPR	12.1971	-1.4024	-0.5225	-0.6278	-1.1300	0.4247	0.9269	0.5702	0.2012
CHIASYO	100.8429	74.5100	-43.0174	-12.3960	-23.8127	4.1249	35.0482	29.3910	15.2199
CHIASUT	37.9924	23.1874	13.4254	-5.0153	-6.9856	-2.7625	-2.7293	13.3023	234.7314

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE   00000050

.LENS   0.0   1974   0

PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
TURAP	-17.9227	39.3409	-7.9678	-9.8120	7.0084	-33.1505	-4.7101	15.5798	11.4833
TURHT1	17.6008	53.5560	9.0895	-8.5309	-20.1877	-26.9288	-4.5857	17.8034	24.4715
TURCC	-35.5229	23.3052	16.4982	7.8082	18.6651	-26.4090	-27.0532	-6.8097	4.8153
TURPH	1.3666	-2.6886	-3.3021	-2.4218	-4.2681	2.3938	4.8940	2.8589	0.8082
TURPF	4.0712	-1.6148	-1.7621	-1.2765	-2.5453	1.4304	2.0763	1.4912	0.3937
TURAS	-17.9227	56.9415	25.5879	-0.7225	-1.5228	-53.3578	-31.6391	10.9947	29.2869
CHISVLA	3.3503	-1.2324	-0.1510	0.1113	-0.2048	0.1636	0.1097	-0.0155	-0.0421
EGGAP	44.9656	-17.7060	-2.2470	-1.6875	3.2976	2.4999	2.4309	-0.6760	-0.0425
EGGIR.67	-0.2319	0.0591	0.3840	0.4568	-0.8376	0.2571	-0.6968	0.4770	0.1982
EGGPF	7.4957	-1.3799	0.7011	-0.5195	-0.9563	0.3215	0.7895	0.5220	0.2111
EGGCC	45.5649	-28.1482	0.5408	-1.0909	-2.3087	3.3276	1.0125	-1.2045	-1.2281
EGGPRAL	9.6811	-1.8510	0.5408	-0.6636	-1.2225	0.4180	1.0077	0.6615	0.2658
EGGAS	44.9656	-23.9514	-1.2749	1.2945	-2.8456	3.3421	2.1674	-0.0255	0.5133
EGGDD	7.6193	3.2196	-2.3461	-0.6049	-1.3720	0.2685	1.8477	1.6664	0.9158
CUWSMC	-0.0820	-0.0498	-0.0106	0.0053	-0.0154	0.0442	-0.0772	-0.0745	-0.0471
CUWASMC	-0.0716	0.0102	0.0429	-0.0429	-0.0408	0.0117	0.0321	0.0107	-0.0185
CUWSEMC	-0.0104	0.0204	-0.0047	-0.0378	-0.0510	-0.0175	-0.0017	0.0116	-0.0074
HAYDFMC	-1.1243	0.4748	-0.0279	0.1215	0.5709	-0.0685	-0.5293	-0.5974	-0.4213
FEEDFCNDA	-1.6473	0.1450	0.0611	0.0871	0.2220	-0.0150	-0.2349	-0.2228	-0.1255
MILBC	0.0	-0.0086	-0.0611	-0.0053	-0.0220	0.0006	0.0016	0.0047	0.0081
MILAP	-1.1269	-0.3749	0.0329	0.1357	0.3792	-0.0490	-0.4757	-0.5037	-0.3300
MILPF	0.0560	0.0119	-0.0011	0.0045	0.0121	-0.0016	0.0152	0.0161	0.0105
MILCCFZ	0.0062	0.0032	-0.0017	-0.0009	-0.0004	0.0002	0.0001	0.0001	0.0000
MILCCUH	2.6172	-0.0161	-0.0027	0.0090	0.0227	-0.0027	-0.0268	-0.0283	-0.0186
MILCCEC	-220.9863	-85.8428	-35.3398	-12.9453	-5.0194	-1.9512	-0.7686	-0.3094	-0.1272
MILCCCMC	-0.7535	-0.5871	-0.4516	-0.3458	-0.2612	-0.2018	-0.1614	-0.1307	-0.1049
CHECT	13.3996	14.3192	15.4337	16.6592	18.0322	19.4079	20.8100	22.3052	23.9565
BUTCC	2.9817	2.9074	2.8624	2.8234	2.7970	2.7491	2.6816	2.6142	2.5557
MILIREV	0.0049	0.0016	-0.0001	-0.0006	-0.0016	0.0002	0.0020	0.0022	0.0014
MILIR	0.0020	0.0006	0.0001	0.0002	-0.0007	0.0001	0.0008	0.0009	0.0006
MILPRUR	0.2353	0.0174	0.0071	0.0280	0.0783	-0.0103	0.0964	0.1040	0.0682
HUTIR	0.0059	0.0013	0.0001	0.0005	0.0013	0.0002	0.0016	0.0017	0.0011
CHEIRAM	0.0052	0.0017	0.0002	0.0002	0.0017	0.0002	0.0022	0.0023	0.0015
DAIIR	0.0034	0.0011	0.0001	0.0004	-0.0011	0.0001	0.0014	0.0015	0.0010
LIVIF	0.2971	-0.0533	0.0611	0.0453	0.0857	0.0304	0.0924	0.0656	0.0269
LIVJF	0.0050	-0.0044	0.0046	0.0032	0.0066	0.0027	0.0064	0.0049	0.0027
LIVIR	0.2379	-0.0411	0.0576	0.0421	0.0752	0.0290	0.0806	0.0559	0.0235
CURUF	104.1910	-95.6629	-31.2161	-10.4787	-20.4217	19.5498	26.1288	8.6611	-3.6905
SURUF	31.3028	1.9899	-5.6134	-4.1563	-3.4454	0.8680	4.4433	2.5772	-0.4152
OATDF	4.8650	1.7761	-4.7577	-1.3164	-0.1427	2.0274	0.0019	-2.4377	-5.1343
BARUF	15.0751	-2.9971	-0.4219	-2.5415	-4.8909	0.3356	6.7317	6.6884	3.8716
CURHCC*	-71.2442	-13.8481	8.2567	9.6457	15.5630	-1.6851	-14.9994	-12.3140	-4.7256
SURHCC*	-5.3095	0.0140	-0.0512	0.4413	1.0266	0.6703	-0.3809	-0.4534	-0.2718
OATHCC1	-2.2169	-3.8712	-2.0161	0.1796	1.0474	1.8613	0.1692	-1.3966	-1.2663

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COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT
IMPACT % BASE YEAR TYPE
.CEN$ 0.0   1974   0   00000050

PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
BARMCCI	-9.7222	0.0690	3.6928	2.7215	4.2011	-1.8786	-3.7805	-1.4739	0.5267
CORUM*	-5.9644	36.8269	0.4911	0.7100	1.2735	-0.1094	-1.2880	-1.1710	-0.6025
BARUH	-0.8878	8.7092	0.1159	0.1495	0.3235	-0.1127	-0.5756	-0.2758	-0.1275
OATOH	-0.0993	-9.6223	0.0076	-0.0157	0.0208	0.0034	0.0156	-0.0142	-0.0056
SORSPGR	0.0	4.5508	-4.5627	-1.2120	1.5998	2.4103	0.5516	-0.6808	-1.9901
OATSP	0.0	-9.7274	-2.4539	1.4425	1.4041	3.0372	-1.9951	-4.3066	-3.0352
BARSP	0.0	15.7935	4.2647	-2.6021	2.3437	-6.1411	3.7749	8.3922	5.5408
CORMC		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SORMC	-11.5942	-2.5285	-0.3144	-0.4765	1.4129	0.4144	-1.5792	-1.7371	-1.1218
CORPF	0.3140	0.0715	-0.0258	-0.0374	0.0670	0.0058	0.0678	0.0617	0.0317
SORPF*	0.2705	0.0000	-0.0075	-0.0113	0.0335	-0.0098	0.0375	0.0412	0.0266
OATPF	0.0618	0.0150	-0.0057	-0.0128	0.0189	-0.0034	0.0146	0.0153	0.0000
HARPF	0.2625	0.0666	-0.0343	-0.0442	0.0457	0.0333	0.1111	0.0815	0.0377
FEEPF-O	-0.5496	0.1261	-0.0402	-0.0632	0.1162	0.0077	0.1194	0.1100	0.0573
FEEPF-B	-0.5302	0.1204	-0.0381	-0.0609	0.1107	0.0071	0.1123	0.1034	0.0539
FEEPF-S	-0.5380	0.1638	-0.0453	-0.0666	0.1199	0.0101	0.1225	0.1115	0.0569
FEEPF-C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CORSA	0.7075	0.1559	-0.0677	-0.0670	0.1681	0.0145	0.1700	0.1546	0.0795
SORSA	0.1278	0.1101	-0.0312	-0.0412	0.0621	0.0142	0.0175	0.0512	0.0400
OAISA	0.2447	0.0649	-0.0450	-0.0438	0.0513	0.0622	0.1344	0.0947	0.0613
BARSA	0.4671	0.1059	-0.0626	-0.0577	-0.1513	0.0930	0.2068	0.1365	0.0711
CORHHUN	-26.9834	-25.5230	-16.9015	-8.5214	4.7088	2.5191	-11.0078	-21.1854	24.4855
SORHHUN	-14.5387	-14.8528	-13.4031	-11.4279	-9.0246	-6.8551	-8.1575	-9.6061	-10.2422
OATHH1	-2.5489	-2.7751	-2.3391	-1.7921	-1.1340	-0.9417	-1.2329	-1.5210	-1.5469
BARHH1	-2.4650	-2.1727	-1.2257	-0.5244	0.2197	0.0644	-0.7456	-1.0705	-1.0744
CALKS	4.1625	0.3317	0.3459	0.2518	-0.1335	0.3743	-0.3350	0.0804	0.2555
CALPF	0.2554	2.4259	-2.9138	-2.1439	0.1802	3.4178	3.7606	1.2737	-1.8206
VEAIR	0.4712	0.0471	-0.0644	-0.0473	-0.0318	0.0536	0.0792	0.0390	-0.0152
VEAAT	23.0615	49.3400	58.0805	57.8221	-19.3524	-52.6969	-46.9603	-11.4622	37.0789
CALSC	-0.5365	0.6869	0.7949	0.5215	-0.2704	-0.7751	-0.6938	-0.1664	0.5291
CALDD	0.0492	0.1162	0.1162	0.0765	0.0404	0.1133	0.1014	0.0243	0.0774
CATDDNC	0.0200	-0.0415	0.0489	0.0324	0.0175	-0.0492	-0.0448	0.0122	0.0316
WHEDH	-2.2547	10.7482	-0.2015	0.2012	0.3715	-0.0898	0.2557	0.3134	-0.1983
WHESAM	2035.9151	2989.9542	2297.2026	1249.4680	115.9096	-256.6694	-50.0202	-205.5770	311.7644
WHESAS	-61.1556	115.0004	200.3474	100.6975	190.6246	9.0228	-200.7729	-257.5759	-169.0028
WHESP	0.0	19.6534	10.4715	1.5400	-1.5274	-2.8222	1.9344	1.9344	2.3798
WHESZ	0.0	0.2017	0.1305	0.0192	-0.0190	-0.0352	0.0242	0.0242	0.0247
WHEDS	0.0	0.0	0.0	0.0	0.0	0.0	-0.0085	0.0	0.0
WHEHA1	-50.1901	-37.2790	0.4760	9.5317	10.3692	2.3128	0.0	0.0	-1.2097
FEGIF*	41.2647	0.0615	-0.0169	-0.0288	-0.0571	0.0057	-5.9990	-5.8629	-0.0283
WHEMC**NS	41.2647	-5.5421	-9.1559	-5.5419	-11.4742	3.4679	-0.0607	-0.0539	5.4312
WHEMX	29.1007	-5.5416	-9.1564	-5.5419	-11.4739	3.4679	14.7487	11.5215	5.4312
WHEDF	-0.3343	-18.2042	-9.5214	0.8467	-1.4319	0.4034	14.7489	11.5211	-1.2885
WHEPF	-11.9148	0.1996	0.0294	-0.0291	-0.0538	0.0130	-0.9715	-1.8351	0.0287
WHEHH1		-17.8289	-17.0526	-11.1425	-0.7695	1.7982	-6.2339	-16.4153	-23.0810

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT
.CENS   IMPACT % BASE YEAR TYPE

        0.0   1974   0

                        PERIOD   00000050

VARIABLE	1	2	3	4	5	6	7	8	9
MILSPEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILSPFZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHESP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FDP	0.2895	0.0671	-0.0226	-0.0342	-0.0617	0.0048	0.0623	0.0568	0.0293
CVI	0.1327	0.0451	-0.0259	-0.0506	-0.0435	-0.0054	0.0449	0.0466	0.0242
FDC	0.2081	0.0477	-0.0155	-0.0238	-0.0434	0.0030	0.0440	0.0404	0.0210
FDT	0.2050	0.0476	-0.0126	-0.0219	-0.0411	0.0017	0.0419	0.0390	0.0207
FDE	0.1988	0.0482	-0.0130	-0.0228	-0.0420	0.0025	0.0422	0.0389	0.0202
FDD	0.2188	0.0515	-0.0168	-0.0270	-0.0487	0.0033	0.0487	0.0444	0.0225

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The Impact of a One-Period Increase in the Amount
of .10 Units (1967 = 1.0) in Consumer Price Index for
Nondurable Goods Excluding Food

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT %   BASE YEAR   TYPE
.PCND-F   0.0   1974   0
               0.0   PERIOD   0

VARIABLE	CHNG	1	2	3	4	5	6	7	8	9
.PCND-F	0.1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUWPM7C		-1.5000	0.2291	0.1472	0.1286	0.3372	-0.0227	-0.2574	-0.2726	-0.2113
SUMKS		-0.0049	-0.0077	0.0151	0.0092	0.0068	-0.0101	-0.0154	-0.0028	0.0084
PIGSEBR		0.0003	0.0008	0.0009	0.0014	0.0010	-0.0008	-0.0012	-0.0007	0.0013
PIGSC		0.0310	0.1464	0.1691	-0.0570	0.1849	-0.1602	-0.0699	0.2559	0.1958
HUGKS		0.0075	0.0645	0.1404	0.0743	-0.0811	-0.1625	-0.0748	0.1190	0.2078
PURAP		-0.2171	5.8111	20.1198	10.7954	-7.9458	-21.3288	-12.2497	13.3278	26.2510
PURIK.67		-0.0539	0.0081	0.0054	0.0047	0.0122	-0.0009	-0.0094	-0.0098	-0.0075
BAGPM/C		-1.1790	0.1589	0.0740	0.0827	0.3156	0.0429	-0.1758	-0.2541	-0.2298
HUGSNBR		0.0051	0.0137	0.0015	-0.0063	-0.0121	-0.0028	-0.0114	-0.0136	-0.0064
HUGSM		0.0169	0.0010	0.1077	0.0175	-0.1090	-0.1070	0.0247	0.1501	0.1319
PURCC		-0.2074	5.5939	19.5008	10.8115	-7.3124	-20.5141	-12.1555	12.4676	25.3580
BAGKS		-0.0123	0.0720	0.1333	0.0651	-0.1253	-0.1525	-0.0594	0.1219	0.1994
PURHT1		-0.0078	0.2042	0.4209	0.4035	0.1273	-0.6960	-0.7915	0.0712	0.9716
PURAS		-0.2171	5.8091	20.3271	11.6178	-7.1873	-21.2154	-12.9510	12.5322	26.3274
BEEAPFD		-335.5483	-102.5770	-25.6443	-9.2529	-33.3294	55.0169	9.0442	-16.3448	-8.0400
SAHKSFD		-0.5215	-0.0832	-0.0619	-0.0579	-0.0604	-0.0496	0.0285	0.0089	0.0043
HEEIR		-0.1030	0.0215	0.0377	0.0264	0.0443	0.0203	-0.0513	-0.0331	-0.0121
COWKSNF		-0.5129	-0.0846	-0.2332	-0.1924	0.2770	0.0478	0.2737	0.2263	0.1065
CORSNBE		-0.5129	0.3098	-0.3709	-0.0594	0.2982	0.3395	0.2010	-0.1150	-0.3700
CATPFFE		-3.4424	0.9303	1.3624	0.9247	1.6212	-0.7544	-1.8635	-1.1841	-0.3986
SAHKS		-0.1221	0.0561	-0.2605	-0.1744	0.2088	0.0249	0.2465	-1.2030	0.0774
CATPFFD		-3.1557	0.7273	1.1295	0.7876	1.3805	-0.6207	-1.5824	-1.0231	-0.5576
HEISBBE		306.1548	-0.0877	-0.3006	0.1118	0.0794	-0.0950	0.1420	-0.0857	-0.1507
BEEAPNF		-0.6853	-25.6715	-189.4317	-123.9734	-171.2173	32.1097	211.8792	159.8572	62.7673
CATKSNF		-2.4608	0.0548	-0.4149	-0.3125	-0.4098	-0.0183	-0.4795	0.4159	0.1854
CATPFNF		306.1548	0.3846	1.0193	0.6970	1.2189	-0.4150	-1.4258	-1.0261	-0.3705
BEEASNF		-535.5483	-25.6715	-189.4317	-123.9734	-171.2173	32.1097	211.8792	159.8572	62.7673
BEEASFD		-27.3935	-105.4532	-26.1387	-10.8320	-34.3114	54.1805	9.0847	-16.2784	-8.7457
BEEAS		-24.5212	-151.1247	-215.5782	-134.8054	-205.5287	86.2941	220.9718	143.5905	54.0352
BEECT		-24.5212	-128.6503	-215.9754	-133.8350	-204.6884	86.2935	220.8858	143.6729	54.1587
CATKAFD		-0.0428	-2.1786	0.5655	0.5161	0.1612	0.7441	-0.2913	-0.6991	-0.3503
CATKANF		-5.4243	-3.8593	2.9746	2.4252	3.9121	1.7059	-4.5037	-6.5063	-3.1494
BEEHT		-2.8799	-2.4932	-1.5994	-0.9750	-0.8301	0.0021	0.0782	-0.0948	-0.1269
CHISPYO		-30.0084	-36.9844	16.2829	4.4210	9.3439	-1.6719	-13.7504	-12.5464	-6.9198
CHIAPUT		-10.5575	-8.8210	2.1924	-1.4418	2.2021	0.3860	-1.5841	-1.4972	-0.7166
CHIHTY01		1.0292	-0.9094	0.8334	-0.6785	-0.2147	0.3836	0.9728	0.9544	1.3199
CHIMIUT1		0.5150	-10.8337	0.2413	-0.7449	-0.1293	2.5114	-4.0247	-137.0536	-28.2805
CHICCYO		-31.6382	-34.3856	15.0662	4.7449	9.4700	2.2710	-14.3429	-12.5301	-7.2805
CHICCUT		-11.0705	2.5259	-9.4749	1.5972	2.1510	-1.3962	4.9521	131.5312	-108.9719
CHILKFR		-0.1322	0.0226	0.0063	0.0072	0.0124	-0.0048	-0.0100	-0.0060	-0.0021
CHIPWORYC		-3.8355	0.7044	0.1580	0.1975	0.3378	-0.1332	-0.2739	-0.1639	-0.0585
CHIPWXB		-1.4430	0.2044	0.0759	0.0819	0.1404	-0.0487	-0.1122	-0.0696	-0.0255
CHIPR		-4.7995	0.8224	0.2296	0.2606	0.4507	-0.1723	-0.3626	-0.2178	-0.0775
CHIASYO		-30.0084	-35.3584	15.5101	4.6610	9.2640	-1.8897	-13.3732	-11.5767	-5.9664
CHIASUT		-10.5575	-8.3077	-8.6413	2.2751	2.8802	1.1150	0.9271	-5.5222	-137.7695

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE 0   00000030
.PCND-F   0.0   1974   PERIOD   0

VARIABLE	1	2	3	4	5	6	7	8	9
TURAP	15.7425	-24.8070	3.6508	3.9143	-2.6048	12.8546	1.9818	-6.3770	-4.4539
TURM11	-8.9255	-19.8098	-7.9352	0.1675	5.5815	8.7128	0.4085	-8.0555	-10.5299
TURCC	22.7060	13.9809	-8.2259	-4.2067	-7.9984	9.7029	10.2856	2.0869	-2.1787
TURPX	-4.1806	1.2490	1.3564	0.9665	1.6744	-0.9447	-1.9224	-1.0935	-0.5092
TURPF	-2.5290	0.7762	0.7221	0.5094	0.9195	0.5634	-1.0518	-0.5686	-0.1504
TURAS	15.7425	-33.7905	-16.1591	-4.0190	24.4173	18.4160	10.0942	-5.9680	-12.5088
CHISVLA	-0.7016	0.4449	0.0490	0.0435	0.0796	-0.0662	-0.0454	-0.0060	0.0166
EGGAP	-9.5809	6.4044	0.7319	0.6547	1.2808	-1.0147	-0.9849	-0.2665	0.0151
EGGHT	1.0518	0.4094	-0.1724	-0.1924	-0.3364	0.1044	0.2725	0.1824	0.0765
EGGIR.67	-1.7432	0.0174	-0.0054	-0.0059	-0.0105	0.0036	-0.0084	-0.0054	-0.0022
EGGPF	-7.2389	0.6208	0.1979	0.2180	0.3851	0.1307	0.5093	0.1998	0.0814
EGGCC	-2.4941	10.2178	0.4573	0.4297	0.8903	-1.3519	0.4066	0.4800	-0.4767
EGGPXAL	-2.6491	0.8157	0.2533	0.2742	0.4496	0.1700	0.3951	0.2532	0.1025
EGGAS	-9.5889	8.0478	0.2513	0.4867	1.0804	-1.3449	0.8768	0.0011	0.2013
EGGHR	-2.0009	-1.6948	0.8855	0.2563	0.5342	-0.1211	0.7471	-0.6594	-0.3582
COWSNMC	0.0315	0.0180	0.0033	0.0024	0.0058	0.0146	0.0262	0.0248	0.0148
COWSSMC	0.0271	0.0040	0.0170	0.0165	0.0157	0.0048	0.0121	0.0045	0.0057
COWSEMC	0.0044	0.0088	0.0026	0.0155	0.0190	0.0041	0.0002	0.0054	-0.0038
HAYDFMC	0.4523	0.1235	0.0125	0.0555	0.1458	0.0256	0.2021	0.2239	0.1539
FEEDFCNDA	0.2607	0.0218	-0.0353	-0.0375	-0.0878	0.0070	0.0929	0.0878	-0.0497
MILDC	0.4544	0.0849	-0.0350	-0.0600	-0.1495	0.0003	0.0046	0.0015	0.0028
MILAP	-0.0145	-0.0027	0.0011	0.0019	0.0048	0.0199	0.1441	0.1922	0.1257
MILPF	-0.0548	-0.0284	-0.0147	-0.0059	-0.0059	-0.0006	-0.0059	-0.0061	-0.0039
MILCCFZ	-7.6364	-0.0326	-0.0026	-0.0040	-0.0089	-0.0020	-0.0011	-0.0005	-0.0003
MILCCOX	105.0507	40.8056	15.8406	6.1542	2.3868	-0.9269	0.0104	0.0109	0.0070
MILCCEC	1.6177	1.2474	0.9601	0.7386	0.5668	0.4368	0.3642	0.1456	0.0595
MILCCMC	0.1505	0.1884	0.1925	0.1916	0.1719	0.1879	0.3307	0.2633	0.2043
CHECT	0.0333	0.0582	0.0352	0.0312	0.0226	0.0234	0.2422	0.3012	0.3515
BUTCC	-0.0020	-0.0004	-0.0002	0.0003	0.0006	0.0001	0.0321	0.0410	0.0460
MILIREV	-0.0038	-0.0001	-0.0001	0.0001	0.0003	0.0000	0.0008	0.0008	0.0005
MILIR	-0.0059	-0.0175	-0.0072	-0.0003	0.0309	-0.0038	0.0003	0.0003	0.0002
MILPXDX	-0.0021	-0.0003	-0.0001	-0.0002	-0.0007	-0.0001	-0.0382	-0.0397	-0.0255
BUTIR	-0.0021	-0.0004	-0.0001	-0.0002	-0.0005	-0.0001	-0.0006	-0.0007	-0.0004
CHEIRAM	-0.0073	-0.0225	-0.0001	-0.0002	-0.0005	-0.0001	-0.0009	-0.0009	-0.0006
DAIIR	-0.1073	-0.0173	-0.0246	0.0184	0.0343	-0.0125	-0.0359	-0.0251	-0.0104
LIVIF	-0.1010	-0.0022	-0.0019	-0.0015	-0.0027	0.0011	0.0025	0.0019	0.0010
LIVIR	-0.0898	0.0173	-0.0228	0.0160	-0.0294	-0.0119	-0.0320	-0.0217	0.0092
CURDF	-38.6758	25.1862	9.6679	3.4272	7.1658	-8.0591	-11.0542	-3.4806	1.3004
SURDF	-12.8151	-0.0775	2.0379	1.3932	1.2530	0.3819	-1.7491	-1.0487	0.1121
OATDF	-1.6062	-2.1497	1.2267	0.3341	-0.0587	0.8291	0.0215	1.0087	1.2169
DAHDF	-5.1432	-1.3565	-0.5129	0.9435	1.8829	0.2100	2.6991	-2.6690	-1.5182
CURMCC*	25.0802	1.5701	-4.1540	-4.0562	-6.3109	0.7210	5.7308	4.6404	1.7870
SURMCC*	1.9609	0.1607	-0.0754	-0.2410	-0.4413	0.2661	0.1367	0.1722	0.0908
OATHCC1	0.5730	1.4122	0.3321	-0.2401	-0.5196	-0.7516	-0.1028	0.5799	0.5421

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COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT
*PCND-F

IMPACT % BASE YEAR TYPE
0.0   1974   0
                 PERIOD

00000030

VARIABLE	1	2	3	4	5	6	7	8	9
BARMCC1	3.6645	-1.3886	-1.3707	-1.1474	-1.6396	0.7381	1.5008	0.5258	-0.1514
CURUH*	2.1182	0.2178	-0.2709	-0.3057	0.5204	0.0449	0.4922	0.4445	0.2315
BARUH	0.5426	-0.0036	-0.0496	-0.0644	-0.1273	0.0454	0.1495	0.1074	0.0499
UATUH	0.0303	6.0447	-0.0054	-0.0067	-0.0085	-0.0012	0.0053	0.0057	0.0025
SURSPGR	0.0	-1.7579	1.5886	0.1083	-0.7919	-0.9559	-0.2403	0.2392	0.6926
UATSP	0.0	4.6456	-0.0703	-0.4501	-0.5489	-1.1172	0.8075	1.8321	1.2147
HARSP	0.0	-6.7712	-0.1192	0.8425	0.9973	2.3357	-1.4949	-3.4039	-2.1463
CURMC	4.2570	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SURMC	-0.1115	0.6642	-0.0029	0.2473	0.5826	0.1532	0.6103	0.6800	0.4334
CURPF	-0.1011	-0.0115	-0.0143	0.0161	0.0274	0.0024	0.0259	0.0234	0.0122
SURPF*	-0.0226	-0.0159	0.0001	0.0059	0.0138	0.0036	0.0145	0.0161	0.0103
UATPF	-0.1013	-0.0000	-0.0041	-0.0055	0.0077	0.0012	0.0057	0.0062	0.0027
BARPF	-0.0226	0.0010	-0.0147	0.0190	0.0376	0.0134	0.0442	0.0318	0.0148
FEEPF-U	-0.1473	-0.0204	0.0229	0.0274	0.0474	-0.0035	0.0454	0.0419	0.0221
FEEPF-B	0.1496	0.0202	0.0220	0.0264	0.0452	-0.0030	0.0430	0.0394	0.0208
FEEPF-S	0.1921	0.0185	0.0250	0.0287	0.0489	0.0042	0.0469	0.0424	0.0219
FEEPF-C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CURSA	-0.2513	-0.0250	0.0374	0.0288	0.0687	0.0059	0.0650	0.0587	0.0306
SURSA	-0.0444	-0.0535	0.0028	0.0204	0.0246	0.0062	0.0062	0.0379	0.0164
UATSA	-0.1359	0.0019	-0.0140	0.0184	0.0349	0.0252	0.0572	0.0529	0.0255
BARSA	-0.2003	0.0030	-0.0208	0.0246	0.0576	0.0368	0.0839	0.0529	0.0268
CURHHUN	11.4788	9.5059	5.9117	2.6724	2.2990	-1.3150	4.2357	8.3629	9.6856
SURHHUN	6.5913	6.3700	5.6378	4.7653	3.5035	2.9078	3.4056	3.9756	4.2051
UATHH1	0.9983	0.9079	0.6961	0.4907	0.2489	0.1939	0.5256	0.4612	0.4936
BARHH1	1.1359	0.7179	0.4221	0.1563	0.1097	0.0128	0.3048	0.4376	0.4367
CALKS	-0.0656	0.1694	0.1486	-0.0956	0.0555	0.1478	0.1304	0.0303	-0.1006
CALPF	-0.8471	0.9837	1.1627	0.8299	-0.1077	1.3318	1.4373	0.4832	0.7220
VEAIK	-0.0558	0.0193	0.0251	0.0180	-0.0119	0.0216	0.0313	0.0151	0.0051
VEAAT	-6.9700	-18.9525	-22.5195	-14.1774	8.0957	21.1105	18.4967	4.3316	-14.4473
CALSC	-0.1318	-0.2680	-0.3076	-0.1979	0.1149	0.3062	0.2699	0.0627	-0.2084
CALDD	-0.0193	-0.0392	-0.0450	-0.0289	0.0168	0.0448	0.0174	0.0045	-0.0305
CATUUNC	-0.0079	-0.0162	-0.0190	-0.0123	0.0073	0.0194	0.0968	-0.0045	0.0125
WHEUH	0.8857	0.3738	0.0120	0.1025	0.1531	0.0552	0.0968	0.1174	0.0741
WHESAM	-807.2842	-1009.4580	-718.1648	-342.4565	43.7954	127.5962	28.5082	-73.6602	-115.7462
WHESAS	20.6227	-70.4530	-85.0902	-69.1018	-70.7817	-1.4038	81.7600	103.2537	68.1272
WHESP	0.0	-7.7030	-2.8820	0.0899	0.7784	1.1641	0.2676	-0.7355	0.8946
WHESZ	0.0	-0.1025	-0.0359	-0.0011	0.0097	0.0145	0.0053	-0.0092	0.0112
WHEUS	-0.0079	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WHEHA1	21.9152	10.5926	-2.0888	-3.9454	-4.0003	-0.7407	2.4039	2.2602	0.4676
FEGIF*	-0.0968	-0.0090	0.0097	0.0126	0.0251	0.0024	0.0235	0.0207	0.0110
WHEMC**NS	-13.8426	4.0044	3.5198	2.1673	4.5992	-1.4086	-5.7430	-4.4717	-2.1466
WHEMX	-13.8423	4.0047	3.5195	2.1678	4.5942	-1.4086	-5.7430	-4.4720	-2.1458
WHEUF	-14.2732	5.4821	2.6023	-0.5659	0.5480	0.1890	0.3938	0.6807	0.4834
WHEPF	-0.1310	-0.0549	-0.0017	0.0148	0.0222	0.0051	0.0140	0.0171	-0.0107
WHEHHI	5.3169	6.7771	5.8208	3.2958	-0.6368	-1.4853	1.7896	5.8828	8.5213

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT   IMPACT X BASE YEAR TYPE   00000030
.PCND-F   0.0   1974   0
                              PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
MILSPEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILSPFZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHESP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FDP	-0.1032	-0.0109	0.0127	0.0148	0.0252	-0.0020	-0.0238	-0.0216	-0.0113
CV1	-0.0487	-0.0120	0.0116	0.0125	0.0173	0.0020	-0.0175	-0.0179	-0.0094
FDC	-0.0743	-0.0080	0.0088	0.0105	0.0177	-0.0013	-0.0168	-0.0154	-0.0081
FDI	-0.0737	-0.0084	0.0076	0.0096	0.0168	-0.0008	-0.0161	-0.0149	-0.0080
FDE	-0.0716	-0.0081	0.0079	0.0099	0.0171	-0.0010	-0.0162	-0.0149	-0.0078
FDD	-0.0786	-0.0076	0.0097	0.0117	0.0198	-0.0014	-0.0187	-0.0170	-0.0088

The Impact of a One-Period Increase in the Amount
of 100 Million Pounds (Carcass Weight) in Beef Imports

INSTRUMENT   IMPACT % BASE YEAR TYPE   00000050
BEEMI   1974   0
                            PERIOD
              0.0

VARIABLE		1	2	3	4	5	6	7	8	9
BEEMI	CHNG	100.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUWPM7C		-0.1064	0.0130	0.0212	0.0207	0.0523	-0.0029	-0.0378	-0.0394	-0.0301
SOWKS		-0.0021	0.0004	0.0023	0.0013	0.0008	-0.0015	-0.0022	-0.0004	0.0012
PIGSEDR		-0.0001	0.0002	0.0002	0.0004	0.0001	-0.0002	-0.0002	-0.0001	0.0002
PIGSC		0.0152	0.0388	0.0197	-0.0158	-0.0277	-0.0221	-0.0101	0.0366	0.0278
HOGKS		0.0052	0.0216	0.0279	-0.0067	-0.0101	-0.0241	-0.0104	0.0171	0.0297
PURAP		-0.0931	2.6235	3.7831	1.0786	-1.7022	-3.1567	-1.7326	1.9073	3.7629
PURIK.07		-0.0038	0.0005	-0.0008	0.0008	-0.0019	0.0001	0.0014	-0.0014	-0.0011
BAGPM7C		-0.0859	0.0021	-0.0078	0.0156	0.0503	0.0068	0.0260	0.0367	0.0328
HUGSNBK		0.0022	0.0020	0.0001	-0.0010	-0.0017	-0.0004	0.0016	0.0019	-0.0009
HUGSM		-0.0071	0.0218	0.0143	-0.0072	0.0170	-0.0159	-0.0037	0.0214	0.0189
PURCC		-0.0845	2.5175	3.7021	1.1265	-1.5772	-3.0458	-1.7189	1.7822	3.6249
BAGKS		-0.0052	0.0212	-0.0257	0.0054	0.0168	0.0226	0.0082	0.0175	0.0285
PURHT1		-0.0034	0.0921	0.1819	0.1512	-0.0061	-0.1094	-0.1176	-0.0078	0.1378
PORAS		-0.0931	2.6226	3.8882	1.2608	-1.5756	-3.1551	-1.8420	1.7841	3.7649
BEEAPFD		-50.6251	-16.6899	3.6505	-1.4254	-5.0150	8.0416	1.4964	-2.0459	-1.0199
SAHKSFD		-0.0742	0.0144	0.0093	0.0057	-0.0090	0.0072	0.0045	0.0018	0.0010
BEEIR		-0.0146	0.0032	0.0056	0.0039	0.0029	0.0029	0.0075	0.0048	0.0017
CUWSNF		-0.0460	-0.0123	-0.0344	-0.0282	-0.0406	0.0069	0.0401	0.0331	0.0154
CUWSNDE		-0.0460	-0.0456	-0.0546	-0.0089	-0.0456	0.0497	0.0294	0.0168	0.0540
CATPFFE		-0.5001	0.1356	0.2013	-0.1352	0.2368	0.1097	0.2736	-0.1725	-0.0568
SAHKS		-0.0145	0.0081	-0.0362	-0.0258	-0.0307	0.0035	0.0362	0.0298	0.0113
CATPFFD		-0.4509	0.1065	0.1675	0.1156	-0.2031	0.0901	0.2322	0.1490	0.0510
HEISNDE		0.0	-0.0129	0.0442	0.0163	0.0117	0.0138	0.0208	-0.0125	-0.0221
BEEAPNF		46.1557	-2.6035	-27.8456	-18.2318	-25.0634	4.6051	30.7719	22.8925	8.7492
CATKSNF		0.1027	0.0107	-0.0609	-0.0459	-0.0599	0.0026	0.0698	0.0600	0.0262
CATPFNF		-0.3604	0.0544	0.1497	0.1018	0.1772	-0.0602	-0.2101	-0.1497	-0.0528
BEEASNF		146.1557	-2.6035	-27.8456	-18.2318	-25.0634	4.6051	30.7719	22.8923	8.7492
BEEASFD		-50.6251	-17.1589	-4.0365	-1.6751	-5.1584	7.9119	1.4916	-2.0315	-1.0424
BEEAS		95.5305	-19.7307	-31.8499	-19.9030	-30.2335	12.5209	32.2752	20.8725	6.7147
BEECT		95.9679	-19.3447	-31.6403	-19.7557	-30.1078	12.5217	32.2608	20.8753	7.7224
CATKAFD		-0.8256	0.5309	0.4210	0.4069	0.0234	0.1095	0.0423	0.1015	0.0515
CATKANF		-0.4367	-0.5685	0.4216	-0.1517	-0.5550	0.2441	-0.6836	-0.9838	-0.4684
BEEHT		-1.2856	0.3077	0.2489	0.8267	-0.1279	0.1095	-0.0107	-0.0118	-0.0155
CHISPYU		-0.7664	-0.2917	1.5552	0.2335	1.5730	-0.2283	-2.0141	-1.8275	-0.9989
CHIAPUT		0.0426	0.3711	0.2300	-0.0064	0.3271	0.0603	-0.2316	-0.2177	-0.1025
CHIHTYOI		0.0209	-0.0165	0.0007	0.1271	-0.0335	0.0568	0.1396	0.1354	0.1796
CHIMTUTI		-1.3276	-0.3981	0.0435	0.8363	0.1065	0.3826	0.5757	-17.8905	-4.3467
CHICCYU		-0.7645	-0.2500	1.3391	0.1498	1.3915	-0.3173	-2.0934	-1.8147	-1.0448
CHICCUT		-0.0052	0.0479	-0.2057	0.0010	0.3476	0.2160	0.7265	17.0967	-13.6457
CHIRFR		-0.0052	0.0011	0.0013	0.0019	0.0019	0.0007	-0.0015	-0.0009	-0.0003
CHIPWBH9C		-0.1512	-0.0330	0.0362	0.0277	0.0507	-0.0194	-0.0401	-0.0238	-0.0082
CHIPWXH		-0.0587	0.0105	0.0151	0.0117	0.0210	-0.0071	-0.0164	-0.0101	-0.0036
CHIPX		-0.1907	0.0415	0.0464	0.0369	0.0616	-0.0250	-0.0531	-0.0318	-0.0109
CHIASYU		-1.2850	-0.2498	1.5393	0.8230	1.3597	-0.2000	-1.9550	-1.6671	-0.8595
CHIASUT		-0.1664	-0.3500	-0.1621	0.2773	0.4538	0.1665	0.1507	-0.7933	-17.9920

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT

BEEMI

IMPACT % BASE YEAR TYPE 0

0.0   1974

PERIOD

U0000030

VARIABLE	1	2	3	4	5	6	7	8	9
TURAP	1.8893	-3.2959	0.2564	0.6381	-0.5965	1.8866	0.2445	-0.9317	-0.6494
TURHT1	-1.1572	-2.6595	-1.1039	0.1044	-0.8725	1.3235	0.0970	-1.1463	-1.4801
TURCC	3.0467	-1.7913	-1.2944	-0.5751	-1.1644	1.4547	1.5111	-0.3115	-0.3155
TURPR	-0.5530	0.1451	0.2093	-0.1405	0.2463	-0.1378	-0.2810	-0.1589	-0.0438
TURPF	0.5078	0.0918	0.1126	0.0738	0.1353	-0.0822	-0.1557	-0.0826	-0.0212
TURAS	1.8893	-4.4506	-2.4051	-0.4704	-0.2920	2.7588	1.6081	-0.8342	-1.7951
CHISVLA	-0.0417	0.0278	0.0122	0.0054	0.0120	-0.0100	-0.0068	0.0009	0.0024
EGGAP	0.5476	0.4053	0.1856	0.0797	0.1932	-0.1550	-0.1419	-0.0329	-0.0008
EGGHT	0.1396	0.0216	0.0341	-0.0279	-0.0505	0.0150	0.0399	0.0266	0.0108
EGGIK.67	-0.0044	0.0009	0.0011	0.0009	0.0016	-0.0005	-0.0012	0.0008	-0.0003
EGGPF	0.1543	0.0506	0.0399	0.0513	0.0575	-0.0189	-0.0453	-0.0290	-0.0115
EGGCC	0.5944	0.5627	0.1135	0.0343	0.1401	0.1994	-0.0592	-0.0706	-0.0704
EGGPRAL	0.5476	0.0407	0.0513	0.0599	0.0735	-0.0246	-0.0578	-0.0367	-0.0145
EGGAS	0.2057	0.5457	0.1568	0.0477	0.1589	-0.2028	-0.1264	-0.0005	-0.0309
EGGBB	0.0925	0.0006	0.0781	0.0463	0.0783	-0.0167	-0.1092	-0.0960	-0.0517
COWSRMC	0.0044	0.0028	0.0008	0.0002	-0.0001	0.0012	-0.0029	-0.0029	0.0017
COWKSMC	0.0040	0.0006	0.0025	0.0024	0.0024	-0.0007	-0.0020	-0.0011	-0.0004
COWSERC	0.0005	0.0009	0.0004	0.0018	0.0021	-0.0006	-0.0003	-0.0010	-0.0008
HAYDFMC	0.0475	0.0179	0.0025	0.0079	0.0224	0.0009	-0.0268	-0.0302	-0.0205
FLEDFCNDA	0.0273	0.0034	0.0059	0.0058	0.0132	0.0009	0.0136	0.0128	0.0071
MILBC	0.0477	0.0001	0.0005	0.0003	0.0001	-0.0000	-0.0001	-0.0001	-0.0003
MILAP	0.0125	0.0125	0.0061	0.0089	0.0228	0.0000	0.0255	0.0266	0.0168
MILPF	-0.0015	0.0004	0.0002	0.0003	-0.0007	-0.0000	-0.0008	0.0001	-0.0005
MILCCFZ									
MILCCDR	0.0042	0.0011	0.0003	0.0006	0.0014	0.0000	0.0014	0.0015	0.0009
MILCCEC	0.0017	0.0020	0.0010	0.0000	0.0002	0.0003	-0.0000	-0.0004	-0.0000
MILCCMC	0.0009	0.0009	0.0006	0.0003	0.0001	-0.0001	-0.0003	-0.0005	-0.0006
CHECT	0.0157	0.0213	0.0207	0.0197	0.0165	0.0162	0.0253	0.0312	0.0357
BUTCC	0.0051	0.0039	0.0051	0.0021	0.0010	0.0010	0.0020	0.0038	0.0041
MILIKEV	0.0002	0.0001	0.0000	0.0000	0.0001	-0.0000	-0.0001	0.0001	-0.0001
MILIR	0.0001	0.0000	0.0000	0.0000	0.0000	-0.0000	-0.0003	-0.0000	-0.0000
MILPKOR	0.0078	0.0025	0.0012	0.0018	0.0047	0.0002	0.0053	0.0055	0.0035
BUTIR	0.0002	0.0001	0.0000	0.0000	0.0001	-0.0000	-0.0001	-0.0001	-0.0001
CHEIRAM	0.0002	0.0000	0.0000	0.0000	0.0000	-0.0000	-0.0001	-0.0001	-0.0000
DAIIR	0.0001	0.0001	0.0000	0.0027	0.0051	-0.0000	-0.0053	-0.0037	-0.0001
LIVIF	0.0112	0.0023	0.0058	0.0002	-0.0044	-0.0018	-0.0047	-0.0005	-0.0015
LIVJF	0.0001	0.0002	0.0003	0.0025	0.0001	0.0002	0.0001	0.0005	0.0001
LIVIR	0.0098	0.0020	0.0054	0.0025	0.0044	-0.0017	-0.0047	-0.0031	-0.0013
CURDF	4.0602	2.6150	1.5447	0.4207	1.0902	-1.2230	-1.6595	-0.5232	0.1829
SURDF	-1.5459	0.0485	0.2605	0.1813	0.1735	-0.0642	-0.2656	-0.1582	0.0117
OATDF	0.1766	0.3091	0.1517	0.0527	0.0109	-0.1256	-0.0084	-0.1338	0.1663
BARDF	0.5581	0.1550	0.1574	0.1516	0.2857	-0.0251	-0.3913	-0.3786	-0.2083
CURHCC*	2.6735	0.2100	0.6255	0.5879	-0.9167	0.1137	0.8548	0.6884	0.2646
SURMCC*	0.2446	0.0107	0.0159	-0.0342	-0.0611	-0.0358	0.0229	0.0270	0.0153
OATHCL1	0.0657	0.2236	0.0274	-0.0387	-0.0777	-0.1120	-0.0086	0.0912	0.0857

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT: IMPACT % BASE YEAR TYPE

ITEM 1974 0

0.0   PERIOD   0000030

VARIABLE	1	2	3	4	5	6	7	8	9
BARMCC1	0.4027	-0.1367	-0.1140	-0.1405	-0.2261	0.1185	0.2257	0.0856	-0.0137
CORMDH*	0.2248	-0.0264	-0.0440	-0.0470	-0.0780	0.0057	0.0714	0.0645	-0.0352
BARDH	0.0374	-0.0008	-0.0064	-0.0095	-0.0189	0.0066	0.0218	0.0156	0.0072
OATDH	0.0040	0.0013	0.0009	0.0010	-0.0013	0.0002	-0.0009	0.0009	0.0004
SORSPGR	0.0	0.2188	0.1463	0.0049	-0.1151	-0.1406	-0.0372	0.0525	0.0997
OATSP	0.0	0.4846	-0.0781	-0.0440	-0.0461	0.1671	0.1172	0.2568	0.1680
BARSP	0.0	0.7285	0.1329	0.0825	0.1456	0.3469	0.2182	-0.4825	-0.2996
CORMC	0.5261	0.0968	-0.0118	0.0	-0.0887	0.0255	0.0868	0.0957	0.0601
SORMC	-0.0119	-0.0014	-0.0023	-0.0427	-0.0041	-0.0006	-0.0038	0.0034	0.0017
CORPF	-0.0125	-0.0023	-0.0003	-0.0025	-0.0021	0.0002	-0.0021	0.0023	-0.0014
SORPF*	-0.0024	-0.0009	-0.0007	-0.0010	0.0011	0.0019	-0.0009	0.0010	0.0005
OATPF	-0.0110	-0.0026	-0.0019	0.0008	0.0056	0.0004	-0.0064	0.0046	-0.0021
BARPF	-0.0214	-0.0027	-0.0037	0.0042	0.0071	0.0003	-0.0067	0.0061	-0.0031
FEEPF-O	-0.0206	-0.0024	-0.0036	0.0041	0.0068	0.0005	-0.0063	0.0057	-0.0030
FEEPF-B	-0.0205	-0.0027	-0.0040	0.0044	0.0073	0.0005	-0.0069	0.0062	-0.0031
FEEPF-S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FEEPF-C	-0.0267	-0.0030	-0.0061	0.0045	-0.0103	-0.0007	-0.0095	-0.0045	-0.0043
CORSA	-0.0061	-0.0035	-0.0001	-0.0030	-0.0036	-0.0010	0.0008	0.0026	0.0023
SORSA	-0.0142	-0.0021	-0.0014	-0.0027	-0.0052	0.0037	0.0080	0.0052	0.0052
OATSA	-0.0215	-0.0033	-0.0020	-0.0036	-0.0065	0.0054	0.0119	0.0074	-0.0036
BARSA	1.1867	0.9895	-0.5239	0.1133	0.5713	0.3834	0.4611	1.0857	1.2957
CORMHUN	0.7752	0.7035	0.6657	0.5502	0.3776	0.3020	0.5846	0.4752	0.5152
SORMHUN	0.1062	-0.1235	0.0909	0.0613	-0.0263	0.0190	0.0409	0.0630	0.0698
OATHH1	0.1181	-0.1053	-0.0426	0.0094	-0.0078	0.0053	0.0388	0.0594	0.0602
BARHH1	0.0094	0.0190	0.0218	0.0141	-0.0152	0.0213	0.0187	0.0041	0.0149
CALKS	-0.0623	0.1587	0.1709	0.1216	0.1924	0.1924	0.2081	0.0678	0.1076
CALPF	-0.0051	-0.0025	-0.0038	0.0026	0.0018	-0.0031	-0.0045	0.0022	0.0008
VEAIR	-1.5267	-2.7995	-3.2866	-2.0938	1.1425	3.0236	-2.6435	-1.5856	-2.1507
VEAAT	0.0194	-0.0594	-0.0451	0.0291	0.0162	0.0440	0.0387	0.0045	-0.0309
CALSC	0.0028	-0.0058	-0.0066	0.0043	0.0024	0.0064	0.0057	0.0012	-0.0045
CALDD	0.0012	-0.0124	-0.0028	0.0018	0.0010	0.0028	0.0025	0.0006	-0.0019
CATDDNC	-0.1074	0.0	0.0017	0.0157	0.0	0.0058	0.0137	0.0167	0.0099
WHEDH	-97.3944	-121.7341	-84.0424	-57.0741	-11.0821	20.1630	-4.9188	-10.0897	-16.3294
WHESAM	-0.1401	-9.6305	-10.0533	-8.1623	-9.8552	-0.1090	12.0359	15.1937	10.0251
WHESAS	0.0	-0.9536	-0.5525	0.0002	0.1203	0.1746	-0.0438	-0.1045	-0.1279
WHESP	0.0	0.0124	-0.0044	0.0	0.0015	0.0022	-0.0005	-0.0015	-0.0016
WHESZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WHEDS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WHEHA1	2.6596	1.2971	0.3237	0.5573	-0.5638	0.0952	0.3652	0.3439	0.0825
FEGIF*	-0.0107	-0.0012	0.0016	0.0020	-0.0035	-0.0003	0.0034	0.0030	0.0016
WHEMCARNS	-1.5642	0.4444	0.4695	0.3347	0.6875	-0.2002	-0.8417	-0.6504	-0.3079
WHEMX	-1.3640	0.4446	0.4690	0.3350	0.6878	-0.2002	-0.8410	-0.6506	-0.3076
WHEDF	-2.0260	0.6930	0.3643	-0.0835	-0.0822	0.0292	0.0556	0.1012	0.0701
WHEPF	0.0159	-0.0067	0.0003	0.0023	0.0053	0.0008	-0.0020	0.0024	-0.0015
WHEHH1	0.6251	0.8021	0.6568	0.3028	-0.2602	-0.3731	0.1133	0.7114	1.0953

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT   IMPACT % BASE YEAR TYPE
DEEMI   0.0   1974   U

00000030

PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
MILSPEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILSPFZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHESP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FDP	-0.0111	-0.0014	0.0021	0.0025	0.0058	-0.0002	-0.0035	-0.0031	-0.0016
CV1	-0.0058	-0.0017	0.0018	0.0019	0.0026	0.0003	-0.0025	-0.0026	-0.0013
FDC	-0.0080	-0.0010	0.0015	0.0016	0.0027	-0.0001	-0.0025	-0.0022	-0.0012
FDT	-0.0081	-0.0011	0.0013	0.0015	0.0025	-0.0001	-0.0023	-0.0022	-0.0011
FDE	-0.0078	-0.0011	0.0013	0.0015	0.0026	-0.0001	-0.0024	-0.0022	-0.0011
FDD	-0.0085	-0.0012	0.0016	0.0018	0.0030	-0.0002	-0.0027	-0.0025	-0.0013

The Impact of a One-Period Increase in the Amount
of 100 Million Pounds (Carcass Weight) in Pork Imports

INSTRUMENT   IMPACT % BASE YEAR TYPE 0
PURMI   0.0   1974   PERIOD   0   00000030

VARIABLE	CHNG	1	2	3	4	5	6	7	8	9
PURMI	100.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUNPM7C		-0.3589	0.0434	0.0327	0.0000	-0.0162	0.0009	0.0083	0.0038	0.0006
SUMKS		-0.0007	-0.0069	-0.0043	-0.0009	-0.0006	0.0000	-0.0002	-0.0001	-0.0001
PIGSEBR		-0.0004	-0.0004	-0.0008	-0.0015	-0.0003	0.0001	-0.0000	-0.0001	-0.0000
PIGSC		-0.0557	-0.1506	-0.0110	0.0387	0.0096	-0.0085	-0.0050	-0.0007	-0.0004
HUGKS		-0.0134	-0.0836	-0.0693	0.0007	0.0213	0.0039	-0.0050	-0.0032	-0.0010
PUHAP		0.3774	-11.3597	-9.1079	-0.1252	2.6264	0.4699	0.0266	-0.3913	-0.1268
PURIH.6/		-0.0128	0.0015	0.0011	0.0000	-0.0006	0.0000	0.0003	0.0001	0.0000
BAGPM7C		-0.2715	0.0061	0.0574	-0.0011	-0.0223	-0.0009	0.0082	0.0040	0.0007
HUGSNBR		-0.0092	-0.0027	-0.0008	-0.0005	-0.0003	0.0003	0.0001	0.0001	0.0001
HUGSM		-0.0303	-0.0744	-0.0168	0.0208	0.0089	0.0035	0.0034	0.0001	0.0004
PURCC		100.3700	-10.9514	-8.9704	0.3881	2.4054	0.4327	0.6102	0.3910	0.1407
BAGKS		-0.0222	-0.0766	-0.0650	0.0017	0.0207	0.0039	0.0049	0.0031	0.0009
PURHT1		0.0137	-0.4007	-0.5288	0.2742	0.0464	0.0069	0.0259	0.0273	0.0185
PURAS		100.5773	-11.3445	-9.5011	-0.6480	2.3586	0.4231	0.6401	0.4212	0.1571
BEEAPFD		8.9030	3.8895	3.5228	-0.2518	0.9216	0.7054	0.2739	0.0954	0.0781
SAHKSFD		0.0139	0.0040	0.0000	0.0001	0.0015	0.0007	0.0008	0.0004	0.0002
HEEIR		0.0012	-0.0006	-0.0008	0.0003	-0.0005	-0.0005	0.0008	0.0003	0.0006
CUWKSNF		-0.0052	0.0022	0.0043	0.0024	0.0033	0.0018	0.0046	0.0026	0.0005
CUWSNBE		0.0052	0.0044	0.0047	0.0006	0.0055	0.0046	0.0016	0.0028	0.0054
CATPFFE		0.0571	0.0241	0.0274	0.0096	0.0184	0.0178	0.0288	0.0104	0.0012
SAMKS		0.0052	0.0010	0.0042	0.0024	0.0027	0.0013	0.0043	0.0026	0.0002
CATPFFD		0.0362	0.0211	0.0225	0.0085	0.0164	0.0147	0.0245	0.0090	0.0009
MEISHBE		0.0	-0.0015	-0.0048	-0.0028	-0.0016	0.0010	0.0017	0.0018	0.0022
MEEAPNF		-7.5679	-1.0055	3.7108	1.6207	1.6937	1.3538	3.2332	-1.4047	-1.2040
CATKSNF		-0.0154	-0.0030	-0.0083	0.0044	0.0042	0.0023	-0.0076	-0.0042	0.0040
CATPFHF		-0.0345	-0.0099	0.0203	0.0082	0.0137	0.0113	0.0224	0.0095	0.0005
HEEASNF		-7.5679	-1.0055	3.7108	1.6207	1.6937	1.3538	3.2352	-1.4047	-0.2040
BEEASFD		-2.9350	3.9562	-0.2490	-0.1905	0.9423	0.6869	0.2648	-0.0955	0.0894
BEEAS		1.5273	2.9582	3.4638	1.4263	2.6399	0.0367	3.4903	-1.2975	-0.1302
BEECT		1.2495	2.8844	3.4226	1.4056	2.6234	2.0419	3.5021	-1.3095	0.1263
CATKAFD		0.0013	0.0586	-0.0108	-0.0117	-0.0008	0.0087	0.0067	0.0108	0.0021
CATKANF		0.0767	0.0439	0.0618	0.0462	0.0439	0.0039	0.0450	0.0862	0.0204
BEEMT		0.0771	0.0763	0.0400	0.0203	0.0194	0.0049	0.0006	0.0018	0.0001
CHISPYO		-2.0102	-0.9166	0.5171	0.0146	0.2046	0.0387	0.2669	0.1609	0.0160
CHIAPUT		-0.6011	-0.2068	0.0518	0.0105	-0.0431	0.0054	0.0306	0.0185	0.0029
CHIMTVO1		0.0221	-0.0118	0.0112	-0.0015	0.0057	-0.0103	0.0151	0.0005	0.0123
CHIMTUT1		0.0159	-0.3057	0.0297	-0.0044	0.0083	-0.0543	0.1004	2.2061	0.2432
CHICCYO		-2.0314	-0.8046	0.4957	0.0146	0.2099	0.0617	0.2681	0.1530	0.0016
CHICCUT		-0.0768	0.0551	-0.2855	-0.0003	-0.0304	0.0400	0.1239	-2.0878	1.9658
CHIIRFR		-0.0040	0.0007	-0.0007	-0.0001	-0.0003	0.0001	0.0000	0.0000	0.0000
CHIPMR9C		-0.1128	0.0225	-0.0007	-0.0025	-0.0072	0.0035	0.0050	0.0012	-0.0001
CHIPRAB		-0.0447	0.0067	0.0002	0.0010	-0.0030	0.0012	0.0021	0.0006	-0.0000
CHIPR		-0.1440	0.6268	0.5063	-0.0033	-0.0096	0.0042	0.0067	0.0017	-0.0001
CHIASYO		-2.0102	-0.8993	0.5063	-0.0040	-0.2050	0.0474	0.2526	0.1415	0.0162
CHIASUT		-0.6611	-0.2506	-0.2536	0.0189	-0.0391	-0.0138	-0.0232	0.1191	2.2040

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE   U

PURM1   0.0   1974   U   00000030

PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
TURAP	-0.0287	0.0537	0.0734	0.1051	0.0449	0.1935	0.0110	0.1518	0.0528
TURTT1	-0.0901	-0.1545	-0.1617	-0.2215	-0.2241	-0.2089	-0.0364	-0.0908	-0.0952
TURCC	-0.0607	0.0983	0.1008	0.0458	-0.0478	0.2094	-0.1618	0.0048	0.0488
TURPX	-0.0260	0.0049	-0.0239	0.0083	0.0201	0.0218	-0.0301	-0.0048	-0.0021
TURPF	-0.0140	-0.0051	-0.0133	-0.0041	-0.0111	0.0120	0.0163	0.0043	-0.0015
TURAS	-0.0287	-0.0562	-0.0610	-0.2669	-0.1767	-0.4178	-0.1979	0.0956	0.1443
CHISVLA	-0.0715	-0.0162	-0.0010	-0.0002	-0.0024	-0.0015	-0.0010	-0.0005	-0.0002
EGGAP	0.9871	0.2341	0.0318	0.0006	-0.0324	0.0175	0.0287	-0.0016	-0.0124
EGGHT	0.1099	0.0167	0.0014	0.0025	0.0075	0.0028	0.0049	0.0006	0.0002
EGGIX.07	-0.0038	0.0006	-0.0001	-0.0001	-0.0002	0.0001	0.0002	0.0001	0.0000
EGGPF	-0.1359	0.0223	0.0022	0.0027	0.0087	0.0033	0.0058	0.0017	0.0071
EGGCC	-0.9540	0.3980	0.0113	0.0043	-0.0278	0.0310	0.0109	0.0123	0.0009
EGGPRAL	-0.1705	0.0295	0.0030	0.0034	0.0111	0.0043	0.0075	0.0021	0.0011
EGGAS	0.9871	0.3436	0.0159	0.0126	0.0357	0.0311	0.0162	0.0136	0.0009
EGGBB	0.1485	0.0391	0.0286	0.0007	0.0123	0.0034	0.0146	0.0044	0.0004
CUMSNMC	0.0003	0.0004	0.0003	0.0002	0.0010	0.0009	0.0007	0.0005	0.0003
CUMKSMC	0.0001	0.0001	0.0000	0.0002	0.0003	0.0001	0.0005	0.0004	0.0003
CUMSEMC	0.0146	0.0002	0.0000	0.0003	0.0032	0.0001	0.0002	0.0001	0.0007
MAYOFMC	0.0003	0.0010	0.0003	0.0007	0.0016	0.0017	0.0017	0.0011	0.0003
FEEDFUNDA	-0.0145	-0.0014	-0.0001	-0.0007	-0.0051	-0.0001	-0.0001	-0.0009	-0.0001
MILOC	-0.0005	0.0000	0.0000	0.0000	0.0001	0.0000	0.0015	0.0000	0.0002
MILAP		0.0014	0.0000	0.0000	0.0031	0.0000	0.0000	0.0000	0.0000
MILPF	-0.0613	-0.0001	-0.0000	-0.0009	-0.0031	-0.0001	0.0001	0.0000	0.0001
MILCCFZ	-0.0007	-0.0001	-0.0000	-0.0001	-0.0002	-0.0001	-0.0001	-0.0000	-0.0000
MILCCDR	-0.0003	-0.0007	-0.0000	-0.0000	-0.0002	-0.0001	-0.0000	-0.0001	-0.0000
MILCCEC	-0.0041	-0.0003	-0.0002	-0.0051	-0.0067	-0.0047	-0.0041	-0.0040	-0.0040
MILCCMC	-0.0010	-0.0049	-0.0050	-0.0010	-0.0010	-0.0010	-0.0010	-0.0010	-0.0010
CHECT	-0.0001	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BUTCC	-0.0030	0.0003	0.0000	0.0000	0.0006	0.0000	0.0000	0.0002	0.0000
MILIREV	-0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MILIX	-0.0001	-0.0003	-0.0000	-0.0000	-0.0006	-0.0001	-0.0000	-0.0002	-0.0000
MILPXOR	-0.0040	-0.0007	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000	-0.0000
BUTIX	-0.0001	-0.0001	-0.0000	-0.0002	-0.0007	-0.0003	-0.0006	-0.0002	-0.0000
CHEIRAM	-0.0042	-0.0007	-0.0000	-0.0002	-0.0001	-0.0005	-0.0005	-0.0002	-0.0057
DAIIR	-1.3359	0.8260	0.1416	-0.0081	0.0973	0.2141	0.2070	0.0228	0.0396
LIVIF	-0.1585	0.0111	0.0193	0.0087	0.0088	0.0211	0.0371	0.0148	0.0035
LIVJF	-0.0566	0.0767	0.0141	0.0127	0.0107	0.0225	0.0107	0.0030	0.0024
LIVIR	-0.1444	0.0295	-0.0109	-0.0307	-0.0316	0.0081	0.0466	0.0244	0.0057
CURUF	0.8745	0.0940	0.0093	0.0070	-0.0909	-0.0417	-0.1107	-0.0586	-0.0078
SURUF	0.0250	0.0046	0.0046	0.0034	0.0023	-0.0006	-0.0053	-0.0042	-0.0024
UATUF	0.0244	0.0600	0.0218	0.0147	0.0116	0.0141	-0.0072	-0.0198	-0.0160
BAKUF									
CURACC*									
SURACC*									
OATHCC1									

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COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT   IMPACT % BASE YEAR TYPE
PORMI   0.0   1974   U   U0000050

PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
MILSPEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILSPFZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHESP	0.0	0.0	0.0	0.0	0.0	0.0	-0.0004	0.0002	0.0000
FDP	-0.0035	-0.0005	-0.0002	-0.0002	-0.0005	-0.0001	-0.0003	0.0002	0.0000
CV1	-0.0010	-0.0000	-0.0002	-0.0002	-0.0003	-0.0000	-0.0003	0.0002	0.0000
FDC	-0.0025	-0.0004	-0.0001	-0.0002	-0.0003	0.0000	-0.0003	0.0002	0.0000
FDT	-0.0022	-0.0003	-0.0001	-0.0002	-0.0003	0.0000	-0.0003	0.0002	0.0000
FDE	-0.0022	-0.0003	-0.0001	-0.0002	-0.0003	0.0000	-0.0003	0.0002	0.0000
FDD	-0.0026	-0.0004	-0.0001	-0.0002	-0.0004	0.0001	0.0003	0.0002	0.0000

The Impact of a One-Period Increase in the Amount
of $1.00 per Hundredweight in Support Price of Milk (For
the Year Beginning in April)

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE   00000050
MILPGAP   0.0   1974   0

PERIOD

VARIABLE	CHNG	1	2	3	4	5	6	7	8	9
MILPGAP	CHNG	1.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUWPM/C		1.5144	-0.1595	-0.1464	-0.0730	-0.1996	0.0040	0.1366	0.1475	0.1237
SUWKS		-0.0078	0.0134	-0.0029	0.0051	-0.0044	0.0074	0.0097	0.0009	-0.0054
PIGSEBR		0.0004	0.0000	0.0004	0.0007	-0.0002	0.0004	0.0008	0.0004	-0.0009
PIGSC		0.0499	-0.0707	-0.0911	-0.0067	0.1135	-0.1059	0.0558	0.1662	-0.1127
HUGKS		0.0120	0.0636	-0.0050	-0.0452	0.0314	0.1009	0.0442	-0.0831	-0.1304
PUKAP		-0.3551	10.4828	-1.2499	-6.4447	2.7014	13.5010	7.3723	-9.5610	-16.5153
PUKIH.67		0.0543	-0.0049	-0.0053	0.0027	-0.0072	0.0002	0.0050	0.0053	0.0044
BAGPM/C		1.1853	-0.1533	-0.1302	-0.0456	-0.1793	-0.0337	-0.0925	0.1446	0.1378
HUGSNHR		0.0082	-0.0052	-0.0014	0.0040	0.0082	0.0012	0.0077	0.0082	0.0037
HUGSM		-0.3324	0.0419	0.0459	0.0115	-0.0631	0.0695	0.0220	-0.0984	-0.0763
PURLC		10.3324	10.0942	-1.0177	-6.1548	2.5293	13.0312	7.3452	-8.9678	-15.9677
BAGKS		0.0199	0.0502	-0.0021	-0.0400	0.0358	0.0935	0.0344	-0.0840	-0.1251
PURHT1		0.0129	0.3696	0.1440	0.1561	0.0166	0.7895	0.5122	-0.0792	-0.6289
PURAS		-0.3551	10.4679	0.8763	-6.3032	2.5334	13.5168	7.8560	-9.0462	-16.5937
BEEAPFD		205.0912	54.1403	17.2412	15.6521	34.5103	-30.1567	-16.5726	-11.9834	-15.8276
SAHKSFD		0.3207	0.0372	0.0439	0.0391	0.0581	-0.0243	-0.0342	-0.0371	-0.0322
BEELH		0.0672	-0.0128	-0.0239	-0.0159	-0.0277	0.0119	0.0286	0.0145	0.0064
CUWKSNF		0.2065	0.0526	0.1502	0.1230	0.1800	-0.0210	-0.1559	-0.1258	-0.0658
CUWSNDE		0.2065	0.2074	0.2522	0.0545	-0.1756	-0.2044	-0.1323	-0.0448	0.1900
CATPFFE		2.2716	0.5013	0.6582	0.5556	1.0099	0.4401	1.0476	0.5953	0.2147
SAHKS		0.0750	0.0577	0.1751	0.1197	0.1454	-0.0067	-0.1524	-0.1288	-0.0583
CATPFFD		2.1034	0.4293	0.7106	0.4727	0.8621	0.3646	0.8905	0.5156	0.1925
HEISHHE		0.0	0.0578	0.1992	0.0696	0.0471	0.0552	0.0879	0.0489	0.0804
BEEAPNF		-205.1253	29.9292	120.0859	66.1439	93.4086	-22.0566	-107.9772	-60.9242	-15.8892
CATKSNF		-0.4572	0.0247	0.2620	0.1732	0.2283	-0.0162	-0.2496	-0.1771	-0.0545
CATPFNF		1.8813	0.2571	-0.6344	-0.4035	-0.7260	0.2485	0.7938	0.4923	0.1687
BEEASNF		205.1253	26.9292	120.0859	66.1439	93.4086	-22.0566	-107.9772	-60.9242	-15.8892
BEEASFD		205.0912	55.9075	18.6992	16.6110	35.1824	-29.4929	-16.4608	-12.0606	-13.8492
BEEAS		1.9541	82.8444	138.7831	82.7516	128.5950	-51.5417	-124.1302	-72.9847	-29.8463
BEECT		0.1473	81.3405	137.6196	82.0795	127.9272	-51.6654	-124.0648	-72.8434	-29.6403
CATKAFD		4.0255	1.3252	-0.5818	-0.3185	-0.0742	-0.4678	0.1672	0.3750	0.1505
CATKANF		1.7713	2.7040	-1.7565	-1.6744	-2.2168	-1.0185	2.7042	3.5566	1.5478
BEEHI		9.1425	1.4570	0.9630	0.6731	0.6709	0.1193	-0.0742	-0.1428	-0.2148
CHISPYU		5.3073	3.1249	-7.4703	-3.2847	-5.6409	0.6525	7.3406	6.3568	3.5623
CHIMTYO1		-0.2597	2.8148	-1.0849	-0.9507	-1.5203	0.2553	0.8789	0.7791	0.3556
CHIMTUT1		-0.1468	0.0885	-0.0307	-0.0317	-0.1438	0.2406	0.5297	-0.4587	-0.8329
CHICCYO		9.4026	2.6973	-0.1998	0.5566	-0.4231	-1.6002	2.5505	63.5031	16.1514
CHICCUT		5.4500	2.7802	-7.5506	-3.3492	-5.7627	1.0376	7.6554	6.2805	9.9257
CHILRFR		0.0375	-0.0513	1.8125	-0.5937	-1.4540	0.9416	-3.0714	-60.3741	47.7078
CHIPWBN9C		1.0772	-0.0063	0.0057	0.0040	-0.0077	0.0028	0.0057	0.0051	0.0012
CHIPWXB		0.4185	-0.1869	-0.1524	-0.1092	-0.2095	0.0800	0.1554	0.0856	0.0343
CHIPR		1.5609	-0.0559	-0.0647	-0.0465	-0.0867	0.0291	0.0635	0.0365	0.0146
CHIASYO		9.1425	2.8609	-7.3857	-3.3178	-5.6095	-0.7979	7.1246	5.8259	3.0960
CHIASUT		5.3073	2.6660	1.6129	-1.1504	-1.8774	-0.6587	-0.7213	3.1293	65.8593

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE

MILPGAP   0.0   1974   0   0

PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
TURAP	-6.2312	14.5440	-1.4041	-2.8332	1.8216	-7.9765	-0.8334	3.7752	2.0487
TURHT1	0.1090	13.2429	6.0746	0.5914	-2.8616	-5.0525	-0.2463	4.3531	5.3876
TURCC	-14.3401	7.4100	5.7641	2.6504	5.2747	-5.7859	-5.6396	-0.8243	1.0145
TURPK	2.7510	-0.6177	-0.8971	-0.0501	-1.0529	0.5575	1.0686	0.5400	0.1698
TURPF	1.5265	-0.5427	-0.4817	-0.3038	-0.5789	0.3342	0.5836	0.2784	0.0841
TURAS	-8.2312	20.6533	11.8390	3.2416	2.4128	-10.8579	-5.8860	3.5243	6.4021
CHISVLA	0.2441	-0.1804	-0.0587	0.0186	-0.0495	-0.0371	-0.0171	-0.0116	-0.0139
EGGAP	3.8577	-2.6103	-0.8617	0.2970	-0.7964	0.5650	0.4515	0.0446	0.0612
EGGHT	-1.0486	0.1150	0.1482	0.1098	0.2074	0.0631	0.1566	0.0981	0.0458
EGGIN.67	0.0325	-0.0049	-0.0048	-0.0033	-0.0065	0.0022	0.0048	0.0029	0.0013
EGGPF	1.1912	-0.1717	-0.1743	-0.1229	-0.2364	0.0779	0.1757	0.1056	0.0478
EGGCC	4.2176	-3.8564	-0.4761	-0.0746	-0.5672	0.1012	0.1443	0.3514	-0.2955
EGGPKAL	3.8577	3.6576	0.7626	-0.1565	0.3021	0.7809	0.2258	0.1334	0.0549
EGGAS	-0.0487	0.0612	0.4268	-0.1545	-0.5252	0.0535	0.5965	0.3500	0.1560
CORNSMC	-0.0051	-0.0025	-0.0725	-0.0162	0.0673	0.0710	0.0595	0.0384	0.1824
CORKSMC	-0.0538	-0.0293	-0.0175	-0.0244	0.0390	0.0129	0.0247	0.0401	0.0324
CORSEMC	-0.0487	-0.0744	-0.0171	0.0259	0.0442	0.0079	0.0146	0.0201	-0.0162
HAYOFMC	-0.7434	-0.1820	-0.1618	-0.1835	0.0540	0.1728	0.0855	0.0613	0.0373
FEEDFLNDA	-0.4530	-0.0285	-0.0233	0.0259	0.0566	-0.0017	0.0636	0.0542	0.0388
MILMC		-0.0051	-0.0051	-0.0078	-0.0076	0.0017	0.0049	0.0075	0.0063
MILAP	0.7902	-0.1221	-0.0700	-0.0630	-0.0745	0.0899	0.0071	0.0127	0.0105
MILPF	0.7347	0.0039	0.0022	0.0020	0.0024	0.0029	0.0049	0.0004	0.0003
MILCCFZ			0.0051	0.0041	0.0044	0.0050	-0.0003	0.0007	0.0005
MILCCUR	1.9403	0.0198	0.1200	0.0479	-0.0167	0.0049	-0.0020	0.0009	0.0004
MILCCEC	0.7765	-0.3038	-0.2684	-0.2077	-0.1589	-0.1213	-0.0935	-0.0722	-0.0557
MILCCMC	0.4477	0.3470							
CHECT	-7.0482	-8.2755	-8.9344	-9.6404	-10.3664	-11.1481	-12.0082	-12.9575	-13.9376
HOTCC	-1.7094	-1.6905	-1.6679	-1.6445	-1.6142	-1.5857	-1.5585	-1.5334	-1.5096
MILIREV	0.0399	-0.0005	-0.0003	-0.0003	-0.0003	-0.0004	0.0000	0.0001	0.0000
MILIR	-0.0395	-0.0002	-0.0001	0.0001	-0.0001	-0.0002	0.0000	0.0000	0.0000
MILPHDR	4.7613	0.0252	0.0143	0.0130	0.0154	0.0185	0.0010	0.0026	0.0021
BUTIR	0.0798	0.0004	0.0002	0.0002	0.0003	0.0004	0.0000	0.0000	0.0000
CHEIRAM	-0.1903	-0.0006	-0.0003	-0.0005	-0.0003	-0.0004	0.0000	0.0001	0.0000
DAIIR	0.0696	-0.0004	-0.0002	0.0002	-0.0002	-0.0003	0.0000	0.0000	0.0000
LIVIF	0.0666	0.0112	0.0170	0.0108	0.0210	0.0073	0.0201	0.0127	0.0056
LIVJF	0.0035	0.0010	0.0011	0.0006	0.0017	0.0003	0.0012	0.0110	0.0005
LIVIR	-0.0540	0.0093	0.0153	0.0099	0.0182	0.0069	0.0177	0.0008	0.0050
CORPF	26.9147	-16.8498	-7.5761	-2.1108	-4.6720	5.1915	6.2661	1.4758	-0.7383
SURUF	8.9892	0.2800	-1.5053	0.9464	-0.6416	0.3431	0.8886	0.2099	0.4502
OATUF	-1.4082	-1.2279	-3.0901	-1.3231	-0.7131	0.1074	0.5566	0.1397	0.0956
BAKUF	3.2200	-4.8519	2.8362	2.6088	3.8349	0.3353	1.6713	0.9097	0.1326
CORMCC*	-17.9125	-1.8418	-2.8362	1.8902	-1.0768	0.5981	-3.4010	-2.5145	-0.4747
SORMCC*	-1.4056	0.0930	0.0213	0.1161	0.2489	0.1748	-0.0417	-0.0431	-0.0267
OATMCC1	-7.5570	-1.3063	-0.9320	0.0192	0.3817	0.5596	0.4944	-0.9836	-0.9853

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE   0

MILKGAP   0.0   1974   PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
BARHCC1	-2.2041	-4.7488	0.0753	0.5865	1.2106	-0.1940	-0.5862	-0.5543	-0.5800
CORUH*	-1.5067	-0.2105	0.1855	0.1965	0.3146	-0.0420	-0.2930	-0.2431	-0.1271
BARUH	-0.2558	-0.1494	0.0103	0.0330	0.0797	-0.0257	-0.0822	-0.0640	-0.0377
OATUH	-0.1478	-0.0050	0.0051	0.0046	0.0076	0.0021	-0.0088	-0.0096	-0.0076
SORSPGR	0.0	1.3072	-1.1504	-0.2287	0.5175	0.7062	0.1611	-0.2402	-0.6150
OATSP	0.0	5.2510	-2.5202	-0.0565	0.0790	0.5469	-0.5714	-0.4425	-0.1357
BARSP	0.0	-7.6235	4.0190	-0.1052	-0.1326	-1.1284	1.0698	0.8356	0.2386
CORHC	-5.1261	-0.5451	-0.0369	0.0939	0.2875	0.0620	-0.3265	-0.3021	-0.1840
SORHC	0.0793	0.0111	-0.0098	-0.0105	-0.0166	0.0022	0.0154	0.0128	-0.0067
CORPF	0.0742	0.0129	0.0009	-0.0022	-0.0068	-0.0015	0.0077	0.0072	0.0044
SORPF*	0.0920	0.0035	-0.0023	-0.0054	-0.0009	-0.0021	0.0095	0.0105	0.0082
OATPF	0.0750	0.0442	-0.0048	-0.0098	-0.0236	0.0076	0.0270	0.0149	0.0111
BARPF	0.1412	0.0234	-0.0146	0.0171	-0.0283	0.0034	0.0270	0.0224	0.0119
FEEPF-U	0.1404	0.0193	-0.0148	-0.0169	-0.0274	0.0030	0.0261	0.0219	0.0119
FEEPF-B	0.1512	0.0224	-0.0162	-0.0185	-0.0299	0.0037	0.0286	0.0238	0.0128
FEEPF-S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FEEPF-C	-0.1787	-0.0242	-0.0256	-0.0185	-0.0416	0.0056	0.0387	0.0520	0.0168
CORSA	-0.1304	-0.0278	-0.0018	0.0133	0.0182	0.0042	0.0062	0.0158	-0.0142
SORSA	-0.1537	-0.0015	0.0018	0.0025	0.0171	0.0178	0.0158	0.0042	-0.0015
OATSA	-0.2255	0.0999	-0.0026	0.0033	-0.0278	0.0264	0.0206	0.0059	-0.0017
BARSA	-1.4975	-6.5074	-3.9951	-1.8529	1.2786	0.5622	-2.6096	-4.7273	-5.4007
CORHHUN	-4.5974	-4.3241	-3.8605	-3.3319	-2.5932	-2.2175	-2.4016	-2.5482	-2.5449
SORHHUN	-3.7056	-3.4703	-3.0775	-2.6564	-2.2341	-1.9744	-2.0395	-2.1226	-2.1514
OATHH1	-0.7687	-0.8461	-0.5468	-0.3078	-0.0734	-0.1006	-0.2278	0.2899	-0.3004
BARHH1	-0.0360	0.0067	0.0718	0.0499	-0.0158	0.0553	-0.0477	0.0601	0.0601
CALKS	0.5595	-0.5004	-0.5958	0.4440	-0.0772	0.5537	0.6029	0.1070	-0.4841
CALPF	0.0259	-0.0098	-0.0145	-0.0102	-0.0091	0.0097	0.0151	0.0060	-0.0059
VEAIK	5.0499	9.8252	10.0795	7.4436	-2.5027	-7.8522	-6.7308	0.1941	9.5397
VEAAI	0.0746	0.1381	0.1487	0.1034	-0.0328	-0.1146	-0.0987	0.0028	0.1369
CALSC	0.0109	0.0072	0.0217	0.0151	-0.0048	-0.0167	-0.0144	0.0004	0.0200
CALDD	0.0041	0.0071	-0.0075	-0.0054	-0.0014	0.0055	0.0046	0.0014	0.0093
CATDDNC	-0.0114	-0.3134	-0.0358	0.0557	0.0901	0.0176	0.0576	-0.0654	-0.0415
WHEDH	549.2195	750.9861	559.7510	290.7979	11.6405	-67.6837	-14.5261	44.6340	69.3063
WHESAM	-25.0480	-42.3218	-7.8749	11.9576	42.5510	3.4575	-42.4884	-59.2171	-45.5362
WHESAS	10.6153	5.3203	2.4140	-0.2559	-0.4227	-0.6826	-0.1358	-0.4564	0.4951
WHESP	8.6160	0.0709	0.0301	0.0032	-0.0053	-0.0085	-0.0017	-0.0054	0.0062
WHESZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WHEDS	-15.1726	-8.7052	0.7376	2.4956	2.5104	0.4791	-1.5375	-1.1772	-0.1906
WHEHA1	0.0703	0.0165	-0.0056	0.0074	-0.0138	0.0019	0.0136	0.0115	0.0063
FEGIF*	10.6135	-0.5485	-0.4247	-1.3565	-2.7717	0.9395	3.2900	2.4091	1.2538
WHEMCX*NS	10.6153	-0.5409	-2.4250	-1.3565	-2.7715	-0.9395	3.2908	2.4089	1.2558
WHEMX	8.6160	-4.2972	-2.0786	0.3881	-0.4437	0.1245	-0.2908	-0.5092	-0.3947
WHEDF	0.0490	0.0490	0.0049	-0.0081	-0.0130	-0.0026	0.0083	0.0094	0.0060
WHEPF	0.0905	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WHEHH1	-3.4449	-4.7742	-4.3601	-2.7908	-0.3116	0.2158	-1.5924	-3.7212	-5.0854

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT   IMPACT % BASE YEAR TYPE
MILPGAP   0.0   1974   00000050
                              0
                              PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
MILSPEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILSPFZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CMESP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FDP	0.0772	0.0111	-0.0086	-0.0095	-0.0153	0.0018	0.0144	0.0121	0.0065
CVI	0.0347	0.0107	-0.0073	-0.0077	-0.0105	-0.0011	0.0101	0.0097	0.0050
FDC	0.0542	0.0078	-0.0059	-0.0066	-0.0107	-0.0013	0.0101	0.0084	0.0045
FDT	0.0563	0.0084	-0.0050	-0.0060	-0.0101	0.0009	0.0097	0.0083	0.0046
FDE	0.0608	0.0094	-0.0050	-0.0064	-0.0105	0.0009	0.0103	0.0089	0.0051
FDD	0.0756	0.0102	-0.0062	-0.0078	-0.0125	0.0010	0.0126	0.0110	0.0066

The Impact of a One-Period Increase in the Amount
of $1.00 per Bushel in the Market Price of
No. 1 Yellow Soybeans in Illinois Points
(September-August Year)

INSTRUMENT   IMPACT %   BASE YEAR   TYPE
SOYPM   0.0   1974   0   PERIOD   00000050

VARIABLE	CHNG	1	2	3	4	5	6	7	8	9
SOYPM	1.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SOYPM7C		0.0552	0.2551	0.2353	0.0828	0.0056	0.0060	0.0187	0.0094	-0.0021
SOWKS		-0.0402	-0.0248	-0.0209	-0.0089	-0.0000	-0.0022	-0.0031	-0.0010	0.0003
PIGSEBR		-0.0021	-0.0024	-0.0041	-0.0068	-0.0031	-0.0009	-0.0006	-0.0007	-0.0004
PIGSC		-0.2568	-0.6469	-0.1866	0.0847	0.0316	0.0551	0.0243	0.0126	0.0053
HUGKS		-0.0619	-0.5957	-0.3944	-0.1040	0.0316	-0.0551	0.0355	-0.0103	-0.0067
PURAP		1.7687	-51.9679	-50.9440	-14.1906	5.7034	-1.7035	-4.8737	-1.4514	0.8444
PURIR.67		0.0024	0.0089	0.0082	-0.0029	-0.0002	0.0002	0.0006	0.0005	0.0001
BAGPM7C		0.0497	0.3603	0.5759	0.1171	-0.0097	0.0074	0.0262	0.0104	-0.0030
HUGSNBR		-0.0423	-0.0199	-0.0031	0.0010	-0.0040	-0.0027	-0.0002	0.0001	-0.0005
MUGGSM		-0.1396	-0.5672	-0.1580	0.0510	-0.0169	-0.0279	-0.0175	-0.0052	-0.0042
PURCC		1.7156	-50.0995	-50.0651	-15.0457	2.0397	-2.0610	-4.9372	-1.6076	0.0869
BAGKS		0.1021	-0.3710	-0.3734	-0.0951	0.0317	-0.0081	-0.0324	0.0093	0.0064
PURMT1		0.0640	-1.8534	-2.7515	-1.9090	0.8420	-0.4902	0.4238	-0.2677	0.1064
PURAS		1.7687	-51.9250	-52.0134	-16.9449	1.7965	2.5468	5.3595	-1.8738	0.5783
BEEAPFD		-84.9007	-87.5176	-17.0671	-7.7551	-5.5800	1.3530	0.4949	2.6245	4.4998
SAMKSFD		-0.1328	-0.0859	-0.0265	-0.0118	-0.0083	0.0004	0.0021	0.0054	0.0070
HEEIR		0.0040	0.0035	0.0024	0.0013	0.0026	-0.0013	-0.0017	-0.0002	0.0001
CUWKSNF		0.0177	0.0083	0.0113	0.0075	0.0144	0.0042	0.0114	0.0060	-0.0057
CUWSNHE		0.0177	0.0140	0.0185	0.0011	0.0153	0.0146	0.0104	0.0008	0.0083
CATPFFE		0.1949	0.0913	0.0506	0.0285	0.0870	0.0506	0.0665	0.0096	-0.0001
SAMKS		-0.0311	-0.0009	-0.0176	-0.0074	-0.0111	0.0021	-0.0129	0.0092	0.0054
CATPFFD		0.1360	0.1268	0.0757	0.0582	0.0800	0.0583	0.0528	0.0057	-0.0018
HEISHDE		0.0	-0.0050	-0.0160	0.0094	-0.0021	0.0038	0.0075	-0.0050	0.0059
BEEAPNF		66.8826	43.1092	0.0756	0.3004	-5.5318	4.5733	8.8966	1.5642	-4.4225
CATKSNF		0.1190	0.0767	0.0028	0.0032	-0.0146	0.0067	0.0166	0.0001	0.0091
CATPFNF		-0.0001	0.0045	0.0470	0.0244	0.0621	0.0301	0.0483	0.0034	-0.0076
BEEASNF		66.8826	43.1092	0.0756	0.3004	-5.5318	4.5733	8.8966	-1.5642	-4.4225
BEEASFD		-84.9007	-64.2594	-18.6566	-8.4587	-6.0351	1.0261	0.3338	2.5327	4.4700
BEEAS		-18.2241	-25.1502	-18.5810	-8.1622	-11.5786	5.6032	7.2460	0.9645	0.0592
BEECT		-17.4939	-24.1566	17.6774	-7.7031	-11.2678	5.7604	7.3181	0.9867	-0.0181
CATKAFD		-0.0104	-0.0050	-0.0248	-0.0102	-0.0118	0.0353	-0.0265	0.0264	-0.0006
CATKANF		-0.0059	-0.0270	0.1152	0.1263	0.1776	0.0664	0.1962	-0.1514	-0.0088
BEEHT		-0.7526	-0.9892	-0.7050	0.4612	0.3058	0.1601	0.0858	0.9139	0.0236
CHISPYU		-10.0560	-5.4065	2.2249	0.5918	0.1387	0.2902	-0.2644	0.0523	-0.0604
CHIAPOT		1.1708	2.0961	1.1084	0.4434	0.2109	0.0580	-0.0020	0.0127	0.0158
CHIHTVO1		-0.1566	-0.0535	0.0325	-0.0055	-0.0173	0.0087	0.0076	0.0229	0.0010
CHIHTUT1		-0.0247	0.4441	0.0018	0.3420	0.1466	0.1654	0.0453	0.9139	-0.3056
CHICCYO		-4.8954	-5.5272	2.1576	0.6525	0.1416	0.3124	0.2641	0.6523	-0.0282
CHICCUT		1.1952	1.6676	-0.9508	0.7035	0.4063	0.0392	0.2081	0.4809	-1.2051
CHILKFK		0.0061	0.0071	0.0051	0.0012	0.0008	0.0001	-0.0001	0.0001	0.0000
CHIPWOK9C		0.1913	0.2117	0.0845	0.0337	0.0211	0.0022	-0.0021	0.0018	0.0003
CHIPWXB		0.0694	0.0836	0.0369	0.0147	0.0088	-0.0007	-0.0009	0.0007	0.0002
CHIPR		0.2216	0.2577	0.1113	0.0441	0.0274	0.0031	0.0029	0.0023	0.0004
CHIASYO		-10.0560	-5.5667	2.1892	0.6195	0.1256	0.3101	-0.2505	0.0031	0.0287
CHIASUT		1.1708	2.0716	1.5527	1.0458	0.5528	0.2045	0.1633	-0.0527	0.8995

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE   0

SOYPM   0.0   1974   PERIOD   0

00000050

VARIABLE	1	2	3	4	5	6	7	8	9
TURAP	5.4598	-5.1839	0.6492	0.0887	-0.1765	0.6540	-0.1341	-0.3574	-0.0292
TURHTI	1.5617	0.8564	1.7709	1.7535	1.5881	1.3994	0.7382	0.3196	0.2259
TURHT1	1.8965	-4.4487	-0.2653	0.1260	-0.0310	0.8420	0.5270	0.0614	0.0652
TURCC	0.1656	0.3025	-0.1198	0.0505	0.0407	-0.0628	-0.0656	-0.0058	0.0005
TURPR	0.0704	0.1846	0.0624	0.0271	0.0407	-0.0366	-0.0351	-0.0017	0.0004
TURPF	3.4598	-3.6221	1.5056	1.8595	1.5570	2.2422	1.2053	0.3809	0.2909
TURAS	-0.3623	0.0401	0.1543	-0.0027	-0.0037	-0.0058	-0.0002	-0.0005	-0.0007
CHISVLA	-5.3402	0.5500	0.0976	-0.0149	-0.0460	-0.0785	-0.0010	-0.0143	-0.0137
EGGAP	-0.5043	-0.2005	-0.0976	-0.0400	-0.0227	-0.0003	-0.0011	-0.0019	-0.0005
EGGHT	0.0055	0.1901	0.0029	0.0011	0.0006	-0.0000	-0.0012	0.0001	0.0000
EGGIR.67	0.2249	0.2237	0.1072	0.0425	0.0234	0.0015	0.0012	0.0023	0.0003
EGGPF	-4.3013	0.6868	-0.0779	0.0982	-0.0654	-0.0825	0.0110	0.0120	-0.0082
EGGCC	0.2554	0.2848	0.1559	0.0535	0.0242	0.0020	-0.0015	-0.0030	0.0003
EGGPHAL	-5.3402	0.2196	-0.0599	0.1096	0.0912	0.0958	-0.0010	-0.0028	0.0142
EGGAS	-0.7459	0.2621	0.1225	-0.0297	-0.0193	-0.0177	-0.0158	-0.0006	-0.0001
EGGBB	-0.0051	-0.0035	0.0061	0.0023	0.0193	0.0233	0.0231	0.0189	0.0141
COWSNMC	-0.0005	-0.0000	-0.0003	-0.0005	0.0026	0.0007	-0.0056	-0.0099	0.0102
COWKSMC	-0.0035	-0.0065	0.0023	0.0078	-0.0145	-0.0036	-0.0059	-0.0061	-0.0057
COWSEMC	-0.5758	-0.0758	-0.0344	-0.0035	-0.0243	0.0578	0.0596	-0.0603	-0.0490
HAYDFMC	-0.2156	0.0548	-0.0254	-0.0117	-0.0104	0.0024	0.0022	0.0016	-0.0015
FEEDFUNDA		-0.0003	-0.0003	0.0004	0.0006	-0.0002	-0.0020	-0.0025	-0.0024
MILBC	-0.3757	-0.0723	-0.0391	0.0112	0.0215	-0.0335	-0.0308	-0.0517	0.0256
MILAP	0.0120	-0.0023	-0.0012	0.0004	0.0007	0.0011	0.0010	0.0010	0.0008
MILPF	0.0	0.0	0.0	-0.0008	-0.0012	-0.0020	-0.0017	-0.0019	-0.0013
MILCCFZ	-0.0522	-0.0059	-0.0027	-0.0019	-0.0010	0.0019	0.0013	0.0011	-0.0008
MILCCDR	-0.0126	-0.0068	-0.0037	-0.0048	-0.0040	0.0035	0.0051	0.0028	-0.0024
MILCCEC	-0.0073	-0.0069	0.0060	-0.1963	-0.2160	-0.2416	-0.2659	-0.2930	-0.3205
MILCCMC	-0.1249	-0.1565	-0.1796	0.0352	0.0360	-0.0371	-0.0381	-0.0590	0.0399
CHECT	-0.0282	-0.0531	-0.0351	0.0000	-0.0001	-0.0001	-0.0001	-0.0001	0.0001
BUTCC	0.0016	0.0005	-0.0002	-0.0000	0.0044	0.0070	0.0063	0.0065	0.0053
MILIREV	0.0006	0.0001	0.0001	0.0023	-0.0001	-0.0001	-0.0001	-0.0001	0.0001
MILIR	0.0775	0.0150	0.0800	0.0000	-0.0001	-0.0002	-0.0001	-0.0001	-0.0001
MILPROR	0.0013	0.0003	0.0002	-0.0001	0.0016	-0.0007	-0.0007	0.0000	0.0000
BUTIR	-0.0017	0.0002	0.0001	0.0024	-0.0002	-0.0000	-0.0007	0.0000	0.0000
CHEIRAM	-0.0011	0.0086	0.0066	0.0003	0.0015	0.0006	0.0001	0.0000	0.0000
DAIIR	-0.0053	-0.0015	-0.0009	-0.0018	-0.0002	-0.0000	-0.0007	0.0000	-0.4147
LIVIF	-0.0019	0.0058	0.0044	-2.1157	-1.1791	-1.5276	-1.0781	-0.5229	0.4822
LIVJF	-0.0057	-0.2181	-3.0328	-0.7746	-0.4014	-0.3696	-0.3759	0.2690	0.0492
LIVIR	-77.0348	-10.2191	-3.8654	-0.4697	-0.2980	-0.2223	-0.2959	0.2190	0.2070
CURDF	-10.5040	0.2744	-0.8654	0.1053	0.0742	0.0513	-0.0572	0.1288	0.1475
SUKDF	2.1084	-0.6195	-0.6731	-0.3874	-0.1314	0.3053	0.3831	0.0803	0.0725
OATDF	1.1279	0.0166	0.1602	0.0109	0.0851	0.1038	0.1017	0.2190	0.1923
BAHDF	-13.1640	-3.5000	-1.5874						
CORMCC*	-1.9971	0.4266	-0.0897						
SURMCC*	-1.2661	-0.8557	-0.5800	-0.3739	-0.2174	-0.1207	0.0929	0.1714	
OATMCL1									

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT

IMPACT Z BASE YEAR TYPE   0

SUYPM   1974   BASE YEAR TYPE   0

0.0   PERIOD

00000030

VARIABLE	1	2	3	4	5	6	7	8	9
BARHCC1									
CORUH*	-1.2309	-0.7637	-0.2088	0.0497	0.0701	0.1542	0.1152	0.1478	0.1768
BARUH	-1.9433	-0.3042	-0.1791	-0.0937	-0.0606	-0.0157	-0.0008	-0.0068	-0.0078
OATUH	-0.1216	-0.0545	-0.0299	-0.0142	-0.0098	-0.0005	0.0020	0.0011	0.0016
SURSPGR	-0.0305	0.0077	-0.0040	0.0020	-0.0010	-0.0002	0.0015	0.0017	0.0017
OAISP	0.0	2.8014	-1.3916	-0.5344	-0.0927	-0.0591	-0.0539	-0.0675	-0.0467
BARSP	0.0	-0.2840	-0.4308	-0.2247	-0.0871	-0.0575	-0.0284	-0.1016	-0.1456
CORHC	101.7181	0.4290	0.7373	0.4214	0.1475	0.1184	0.0530	0.1921	0.2603
SURHC	18.0174	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CORPF	0.1023	-0.2740	-0.3307	-0.2234	-0.1301	-0.0758	-0.0508	-0.0660	-0.0667
SURFF*	0.0976	0.0192	-0.0094	0.0049	0.0032	0.0008	0.0012	0.0004	0.0004
OATPF	0.0190	0.0065	-0.0079	0.0053	0.0031	0.0018	0.0012	0.0016	0.0016
BARPF	0.0359	0.0053	-0.0050	0.0017	0.0010	0.0003	0.0015	0.0010	0.0019
FEEPF-O	0.1759	0.0161	-0.0088	0.0042	0.0029	0.0001	-0.0006	-0.0003	-0.0005
FEEPF-B	0.1748	-0.0514	-0.0166	0.0089	0.0057	0.0016	0.0002	0.0009	0.0010
FEEPF-S	0.1692	-0.0504	-0.0101	0.0087	0.0056	0.0016	0.0001	0.0006	0.0007
FEEPF-C		-0.0530	-0.0166	0.0087	0.0056	0.0014	0.0002	0.0004	0.0005
CORSA	-0.5184	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SURSA	-0.0804	0.0418	-0.0247	0.0088	-0.0080	0.0021	0.0001	0.0009	0.0010
OATSA	-0.0005	0.0356	0.0158	0.0024	0.0010	0.0014	0.0017	0.0012	0.0012
BARSA	-0.0127	0.0114	-0.0104	0.0027	0.0018	0.0009	0.0032	0.0045	0.0047
CORHHUN	-9.5781	-8.6015	-7.5629	-6.3526	-5.3711	-4.2635	-3.2630	-2.5721	-2.0759
SURHHUN	-5.7113	-5.2739	-4.9553	-4.5906	-4.2254	-3.8376	-3.4663	-3.1613	-2.9040
OATHH1	-0.8120	-0.9018	-0.9118	-0.8712	-0.8159	-0.7475	-0.6380	-0.5301	-0.4297
BARHH1	0.5754	0.3757	0.3248	0.2581	0.1955	0.1343	0.0891	0.0594	0.0367
CALAS	-0.0046	-0.0070	-0.0052	-0.0036	-0.0015	0.0024	0.0043	0.0069	0.0091
CALPF	0.0091	0.0024	0.0538	0.0348	0.0294	0.1343	0.0237	0.0552	0.0738
VEAIK	-0.0025	0.0020	0.0016	0.0009	0.0011	0.0002	0.0002	0.0006	0.0009
VEAAT	0.2556	-1.0351	-0.7924	-0.5327	-0.2147	0.3449	0.6127	0.9816	1.5161
CALSC	-0.0046	0.0146	-0.0199	-0.0074	-0.0030	-0.0051	0.0090	0.0142	0.0169
CALUD	0.0014	0.0021	0.0016	0.0011	0.0004	0.0007	0.0013	0.0021	0.0028
CATDUNC	-0.0006	0.0009	-0.0006	-0.0004	-0.0005	-0.0008	-0.0011	-0.0014	-0.0016
WHEUH	-0.5429	-0.2899	-0.1257	-0.0439	0.0231	-0.0137	-0.0107	-0.0107	-0.0097
WHESAM	427.2263	944.4668	565.1028	376.3694	168.5082	58.5510	25.7498	18.2004	14.9743
WHESAS	43.0734	57.7016	42.2201	15.4549	1.9583	2.6670	5.2411	6.3705	6.2627
WHESP	0.0	4.8917	2.2313	0.9620	0.3311	0.1756	0.1064	0.0791	0.0809
WHESZ	0.0	0.0929	0.0278	0.0120	0.0041	0.0022	0.0013	0.0010	0.0010
WHEUS	-13.4571	-8.0053	-1.6317	0.0855	0.3756	0.4075	0.4131	0.3573	0.3522
WHEHA1	0.0819	0.0141	0.0081	0.0044	0.0028	0.0008	0.0002	0.0005	0.0005
FTGLF*	15.4589	-0.8584	0.2563	0.6190	0.4789	0.3440	0.0090	0.0432	0.0250
WHEMC**NS	15.4589	-0.8581	-0.2558	0.6195	0.4789	0.0085	-0.1338	-0.0432	-0.0745
WHEMX	1.6057	-3.0553	-1.1748	-0.1604	-0.0355	-0.0447	-0.1338	-0.0114	-0.0010
WHEDF	0.0803	0.0425	0.0183	0.0063	0.0053	0.0020	0.0349	0.0015	0.0014
WHEHH1	-3.0645	-4.3135	-4.9197	-4.8201	-4.5704	-4.2207	-3.8712	-3.6439	-3.5264

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COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT: IMPACT % BASE YEAR TYPE
SUYPM   1974   0   00000050
                              PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
MILSPEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILSPFZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHESP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FDP	0.0957	0.0176	0.0088	0.0046	0.0050	0.0008	-0.0000	-0.0003	0.0003
CVI	0.0320	0.0054	0.0056	0.0020	0.0015	0.0004	-0.0003	-0.0001	0.0001
FDC	0.0680	0.0123	0.0063	0.0033	0.0021	0.0006	-0.0000	-0.0003	0.0003
FDT	0.0672	0.0114	0.0063	0.0034	0.0021	0.0007	-0.0001	-0.0005	0.0003
FDE	0.0632	0.0120	0.0063	0.0033	0.0021	0.0006	-0.0001	0.0001	0.0001
FDD	0.0688	0.0135	0.0070	0.0037	0.0023	0.0006	-0.0003	-0.0002	-0.0002

The Impact of a One-Period Increase in the Amount
of $1.00 per Hundredweight in the U.S.
Farm Price of Soybean Meal

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE

SUMPF   0.0   1974   0   PERIOD

00000050

VARIABLE	CHNG	1	2	3	4	5	6	7	8	9
SUMPF		1.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUWPM7C		0.2042	0.2750	0.1445	0.0585	0.0289	-0.0151	-0.0133	-0.0057	-0.0057
SUWKS		0.0242	-0.0159	-0.0107	-0.0055	-0.0004	-0.0026	-0.0066	-0.0001	-0.0012
PIGSBR		-0.0012	-0.0014	-0.0025	-0.0041	-0.0019	-0.0007	-0.0004	-0.0003	-0.0000
PIGSC		0.1547	0.3857	-0.1058	0.0325	-0.0035	-0.0510	-0.0054	-0.0298	0.0086
HOGKS		0.0373	-0.2570	-0.2304	-0.0667	-0.0055	-0.0139	-0.0141	0.0127	-0.0188
PURAP		1.0650	-31.3030	-29.4304	-9.0622	0.5618	-2.2142	2.2514	1.5142	2.4694
PURIK.67		0.1804	0.3164	0.0051	0.0020	0.0010	0.0006	0.0005	0.0002	-0.0002
BAGPM/C		-0.0255	-0.0110	0.2257	0.0767	0.0208	-0.0077	0.0062	0.0091	-0.0104
HUGSNBH		-0.0842	-0.2180	-0.0028	0.0014	0.0029	-0.0009	0.0013	0.0009	-0.0003
HUGSM		1.0598	-30.2331	-28.9289	-0.0909	-0.0013	-0.0167	-0.0009	-0.0175	2.3436
PURCC		-0.0615	-0.2211	-0.2197	-0.0088	-0.0171	-0.0112	-0.0115	0.0126	0.0176
BAGKS		-0.0566	-0.1061	-1.0129	0.1455	0.0059	0.3669	-0.2673	-0.0821	0.0459
PURMTI		1.0650	-31.3699	-30.5470	-10.6763	-0.5644	-2.4199	-2.6244	1.2544	2.3903
PURAS		-185.9519	-119.0648	-8.5412	-3.3000	-0.5917	2.7812	2.3327	4.5042	7.5658
BETAPFD		-0.2903	-0.1432	0.0174	0.0069	0.6400	0.0078	0.0072	1.0100	0.0111
SAHKSFD		0.0085	0.0081	0.0048	0.0014	0.0041	0.0047	0.0045	0.0000	0.0010
BETLK		0.0408	0.0263	0.0281	0.0121	-0.0243	0.0196	-0.0296	0.0097	0.0003
CUWKSNF		-0.0408	-0.0251	-0.0314	-0.0111	-0.0414	0.0275	0.0098	-0.0168	-0.0274
CUWSNBE		-0.4408	0.2895	0.1521	0.0370	-0.1459	-0.1124	-0.1667	-0.0005	0.0347
CATPFFE		-0.0600	0.0086	-0.0369	0.0110	-0.0178	-0.0137	0.0319	0.0145	0.0020
SAHKS		0.2659	0.2835	0.1446	0.0412	0.1278	0.1437	-0.1411	-0.0011	0.0293
CATPFFD		0.0	-0.0114	-0.0349	0.0297	0.0063	0.0065	0.0125	-0.0167	-0.0106
HEISHBE		146.7478	71.4587	-21.1743	-4.0124	-11.5314	13.6041	17.7042	3.8920	-11.3580
BETAPNF		0.2623	0.1260	-0.0475	-0.0155	-0.0282	-0.0253	0.0447	0.0002	0.0223
CATRSNF		-0.0228	0.0524	0.1251	-0.0554	-0.1054	-0.1129	-0.1243	0.0002	0.0363
CATPFDF		146.7478	71.4587	-21.1743	-4.0124	-11.5314	13.6041	17.1092	-3.8920	-11.3580
BEEASNF		-185.6519	-120.6724	-10.4584	-4.4444	-7.5318	6.9765	2.1469	4.8853	-3.1958
BEEASFD		-38.9041	-44.8659	-31.0306	-8.8628	-19.0653	20.5807	19.8679	0.5933	-3.8695
BEEAS		-57.3042	-46.9087	-30.4863	-7.7909	-18.6204	20.7586	19.4351	0.5450	0.0159
BEECT		-0.0255	-1.2620	0.0349	0.0370	-0.0166	-0.0780	-0.0754	0.0594	0.0159
CATKAFD		0.0286	0.1160	0.3487	0.2706	0.2406	0.0400	0.6004	0.3266	0.0450
CATKANF		-1.0026	-1.9186	-1.1484	-0.6719	-0.4347	0.1807	0.0811	0.0068	0.0598
BEEHT		-45.4722	-26.6515	7.1467	-0.4841	0.7961	0.8070	-1.2489	-0.2170	0.2203
CHISPYO		7.1986	7.3522	1.7754	0.2433	0.2700	0.0311	0.1562	-0.0434	-0.0200
CHIAPUT		-0.0535	-0.0660	-0.0475	-0.0524	-0.0166	0.0695	0.0527	0.0505	-0.0425
CHIMTYU1		-0.0944	1.9111	1.7106	0.1816	0.1415	0.2526	0.1626	0.9279	-0.1612
CHIMTUT1		-0.0167	-27.2191	6.8029	-0.1928	-0.1804	-0.1421	-1.2350	1.1092	0.2522
CHICCYO		7.2985	5.3414	1.9757	1.8222	0.3104	0.1421	1.0255	8.6544	9.4455
CHICCUT		0.0238	0.0185	0.0005	0.0015	0.0012	-0.0010	0.0008	0.0005	0.0001
CHIIHFR		0.7557	0.5714	0.0043	0.0043	0.0320	0.0286	-0.0213	-0.0005	0.0019
CHIPWDRYC		0.2609	0.2242	0.0125	0.0582	0.0155	0.0111	-0.0089	-0.0004	0.0008
CHIPWXB		0.8629	0.6734	0.0182	0.0480	0.0425	0.0376	-0.0283	-0.0007	-0.0025
CHIPK		-45.4722	-27.3104	7.0588	-0.2245	0.7646	-0.8268	-1.1847	-0.1687	0.1726
CHIASYO		7.1986	7.2526	5.0865	2.0041	0.4515	0.1105	0.0967	-0.9729	-9.6074
CHIASOT										

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT IMPACT X BASE YEAR TYPE
SJMPF   0.0   1974   0   PERIOD   00000050

VARIABLE	1	2	3	4	5	6	7	8	9
TURAP	16.4449	-25.8565	5.2188	-0.0747	-0.3685	1.5509	-0.5866	-0.9630	-0.0674
TURATI	6.1601	0.4525	4.0599	3.3897	2.9023	2.3582	0.7765	0.0015	0.0825
TURCC	10.2843	-20.1040	1.5912	0.5957	0.1191	2.0948	0.9951	-0.1845	-0.1485
TURPR	0.3434	0.9572	0.1073	0.0432	0.1302	-0.2132	-0.1710	0.0053	0.0346
TURPF	0.1455	0.6107	0.0377	0.0238	0.0722	-0.1216	-0.0905	0.0067	0.0191
TURAS	16.4449	-19.6758	5.6511	3.9851	3.0212	4.4532	1.7495	0.1866	-0.0656
CMISVLA	-1.5491	1.2497	-0.0229	0.0037	0.0037	-0.0107	1.7495	0.0040	0.0017
EGGAP	-22.9086	5.5506	-0.5305	0.0037	0.0057	-0.0107	0.0007	0.0002	0.0175
EGGMT	-1.2311	-0.4436	-0.0350	0.0646	0.0659	-0.1720	-0.0172	0.0040	-0.0010
EGG1R.67	0.0213	0.0149	0.0008	-0.0387	-0.0351	0.0251	-0.0226	0.0027	0.0015
EGGPF	0.8863	0.5596	0.0313	0.0012	0.0010	-0.0008	-0.0007	-0.0000	0.0125
EGGCC	-16.5369	4.4037	1.1094	0.0426	0.0366	0.0301	-0.0244	-0.0018	0.0020
EGGPRAL	0.9988	0.6985	0.0377	0.0978	0.0193	0.1834	0.0497	0.2280	0.9126
EGGAS	22.9096	2.2970	0.7810	0.0324	0.0464	0.0388	0.0309	0.0100	0.0168
EGGHB	-5.5450	-1.2621	0.5640	0.0308	0.0308	0.2037	0.0008	0.0776	0.0299
CORNSNMC	-0.0045	0.0055	0.0002	-0.0232	0.0440	-0.0476	-0.0655	0.0092	-0.0135
CORNSMC	-0.0009	0.0005	0.0001	-0.0051	0.0303	-0.0329	-0.0304	-0.0236	-0.0072
CORNSEMC	-0.0055	0.0103	0.0050	0.0007	-0.0038	-0.0001	-0.0096	-0.0145	-0.0586
MAYUFHC	-0.5607	-0.0696	0.0208	0.0125	0.0215	0.0033	0.0078	-0.0083	-0.0054
FEEOFCNDA	-0.5275	-0.0329	-0.0206	0.0073	-0.0322	-0.0735	-0.0675	-0.0712	0.0032
MILHC	-0.5712	0.0642	-0.0005	0.0089	-0.0105	0.0057	0.0128	0.0068	-0.0294
MILAP	0.0182	0.0020	-0.0279	0.0006	-0.0009	-0.0005	-0.0032	-0.0035	0.0009
MILPF	0.0	0.0	0.0009	-0.0031	0.0259	-0.0555	-0.0267	-0.0336	
MILCCFZ	-0.0449	-0.0054	-0.0018	-0.0001	-0.0008	0.0011	-0.0008	0.0011	
MILCCUR	-0.0196	-0.0090	-0.0058	0.0018	0.0	0.0	0.0	0.0	-0.0009
MILCCEC	-0.0111	-0.0096	0.0079	0.0061	-0.0015	-0.0021	-0.0015	-0.0020	0.0017
MILCCMC	0.1895	-0.2236	0.2489	-0.2694	-0.0010	-0.0016	-0.0011	-0.0018	0.0019
CHECT	-0.0428	-0.0468	-0.0478	0.0477	-0.0051	0.0044	-0.0037	0.0032	-0.0029
BUTCC	0.0025	0.0005	0.0000	0.0000	-0.2959	0.3277	-0.3592	0.3944	-0.4301
MILIREV	0.0010	0.0001	0.0000	0.0000	-0.0487	-0.0495	-0.0499	0.0508	-0.0516
MILIR	-0.1100	0.0135	-0.0057	0.0006	0.0000	0.0002	-0.0001	0.0001	-0.0001
MILPKUR	0.0020	0.0002	0.0001	0.0000	-0.0054	0.0075	-0.0055	0.0070	-0.0060
BUTIR	0.0017	0.0003	0.0001	0.0000	-0.0001	0.0002	-0.0001	0.0001	-0.0001
CHEIRAM	-0.0155	0.0151	-0.0054	0.0021	-0.0001	0.0001	-0.0001	0.0002	0.0001
DAIIR	-0.0156	0.0022	-0.0006	0.0002	-0.0001	0.0001	-0.0001	0.0001	0.0001
LIVIF	-0.0192	-0.0102	0.0054	0.0000	-0.0030	-0.0031	-0.0031	-0.0001	-0.0005
LIVJF	15.4465	-7.4796	0.0006	0.0021	-0.0003	0.0001	-0.0027	-0.0017	-0.0001
LIVIR	0.0195	-7.2499	-2.6389	-1.3815	-0.2656	-2.0437	-1.2104	-0.0817	-0.1309
CURDF	1.3129	1.5049	-0.1124	-0.1475	-0.0703	0.2047	0.1914	0.0372	0.1348
SURDF	-1.7459	-5.7070	0.5150	-0.1940	-0.1768	0.1953	0.2801	-0.2599	-0.2597
OATDF	-0.0741	0.0227	0.2647	-0.1035	0.1754	0.1321	0.2514	0.1559	0.5213
BARLF	0.0108	0.0221	-1.4658	0.5016	0.4422	0.5761	0.7305	0.2323	0.0020
CORNCC*	1.0900	0.4102	0.1404	0.0076	-0.0419	-0.0024	0.0279	0.0031	0.0016
SORNCC*			-0.1523	-0.1454	-0.1021	-0.0715	0.2542	0.3414	0.3141
OAIMCC1									

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COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT IMPACT X BASE YEAR TYPE

SUMPF 0.0 1974 0 PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
BARMCC1	1.2854	-1.8797	-0.4299	0.2234	-0.1621	0.1786	0.1081	0.1046	0.1523
CURUH*	-0.7470	-0.3578	-0.1534	-0.0752	-0.0653	0.0252	0.0460	0.0108	-0.0060
BARDH	0.1099	0.0636	0.0193	0.0120	0.0127	0.0126	0.0133	0.0043	0.0017
UATUH	-0.0102	0.0027	-0.0026	-0.0011	-0.0007	0.0005	-0.0178	0.0029	0.0024
SUKSPGR	0.0	-0.4024	-0.0290	-0.2852	-0.2059	-0.1347	-0.1532	-0.0235	-0.0724
UATSP	0.0	3.0562	-0.9532	-0.1407	-0.1193	-0.1221	-0.2847	-0.0725	-0.2050
BARSP	0.0	-4.4780	1.6307	0.2632	0.2017	0.2535	0.2847	0.1362	0.3658
CURMC	-0.0156	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SURMC	-0.0393	0.0583	-0.2209	-0.1281	-0.0893	-0.0071	-0.0426	-0.0048	-0.0336
CURPF	0.0004	0.0178	0.0081	0.0040	0.0034	-0.0013	-0.0024	-0.0006	0.0003
SUMPF*	-0.0325	0.0014	0.0053	0.0030	0.0021	0.0002	-0.0010	-0.0002	0.0008
UATPF	0.0557	0.0019	0.0020	0.0009	0.0006	-0.0005	-0.0032	-0.0031	-0.0026
BARPF	0.0502	0.0188	0.0057	0.0036	0.0037	-0.0037	-0.0059	-0.0015	-0.0005
FEEPF-O	0.0594	0.0286	0.0159	0.0069	0.0060	-0.0022	-0.0043	-0.0012	0.0007
FEEPF-H		0.0267	0.0134	0.0067	0.0057	-0.0020	-0.0043	-0.0012	0.0004
FEEPF-S		0.0501	0.0140	0.0069	0.0060	-0.0024	-0.0048	-0.0014	0.0003
FEEPF-C			0.0	0.0	0.0	0.0	0.0	0.0	0.0
CORSA	0.0866	0.0588	0.0212	0.0071	0.0086	0.0033	-0.0061	-0.0015	0.0009
SURSA	-0.0113	-0.0152	0.0074	0.0053	0.0035	0.0005	-0.0006	0.0019	0.0012
OATSA	0.0889	-0.0252	0.0044	0.0037	0.0038	0.0048	0.0023	0.0064	0.0072
BARSA	-0.1324	-0.0407	0.0065	0.0050	0.0062	-0.0070	0.0054	0.0090	0.0082
CURHHUN	-5.7820	-4.1326	-3.9647	-3.4892	-3.2186	-2.2156	-1.2074	-0.8006	-0.7018
SURHHUN	-0.0224	0.0664	-0.2484	-0.3374	-0.4092	-0.3713	-0.2712	-0.2525	-0.2761
OATHH1	-0.2741	-0.3078	-0.5411	-0.3336	-0.3194	-0.2176	-0.1672	-0.0691	-0.0105
BARHH1	-0.3515	-0.1078	-0.0293	-0.0052	-0.0255	0.0069	0.0307	0.0302	0.0254
CALKS	-0.0101	-0.0146	-0.0098	-0.0039	-0.0042	-0.0019	-0.0052	-0.0132	-0.0186
CALPF	0.1761	-0.1850	-0.0902	0.0380	0.0042	-0.0501	0.0046	0.1080	0.1563
VEAIR	0.0066	0.0062	0.0025	0.0010	0.0027	-0.0019	-0.0012	0.0021	0.0021
VEAAT	-1.4333	-2.1482	-1.4766	-0.5809	-0.0102	0.2755	-0.7371	-1.8864	-2.6811
CALSC	-0.0210	-0.0302	-0.0203	-0.0081	-0.0102	0.0040	-0.0275	-0.0273	-0.0386
CALDD	-0.0051	-0.0044	-0.0030	-0.0030	0.0047	-0.0005	-0.0016	-0.0040	-0.0056
CATDDNC	-0.0014	-0.0019	-0.0011	-0.0012	-0.0013	0.0000	-0.0014	0.0024	-0.0029
WHEDH	-0.1025	-0.1152	-0.0758	-0.0371	-0.0230	-0.0020	0.0069	0.0019	0.0029
WHESAW	114.5335	217.0247	219.9661	166.5125	97.3584	40.1865	10.1227	9.6873	2.0065
WHESAS	91.0954	46.3601	24.9777	-1.7188	-1.4054	6.4488	11.4352	-0.0537	5.4620
WHESP	0.0	0.8896	0.8866	0.5783	0.2803	0.1719	0.0155	-0.0537	-0.0138
WHESZ	0.0	0.0118	0.0110	0.0075	0.0035	0.0021	0.0002	-0.0007	-0.0002
WHEDS	-2.6340	-2.9914	-1.6131	-0.4885	-0.1019	0.3112	0.4634	0.2565	0.1035
WHEHA1	0.0168	-0.0128	0.0063	0.0033	-0.0028	-0.0012	-0.0021	-0.0005	-0.0002
FEGIF*	5.3496	1.9045	0.6111	0.3799	0.4951	-0.4225	-0.5558	-0.1196	0.0310
WHEMC**NS	5.3498	1.9052	0.6111	0.3803	0.4951	-0.4225	-0.5538	-0.1201	0.0312
WHEMX	-0.1253	-0.7512	-0.4348	-0.2852	-0.1008	0.0125	-0.0368	-0.0470	0.0156
WHEDF	0.0151	0.0169	0.0110	0.0053	0.0033	0.0003	-0.0010	-0.0003	0.0004
WHEPF	0.0								
WHEHH1	-0.5882	-1.1896	-1.7797	-2.0751	-2.2529	-1.9485	-1.4185	-1.1248	-1.0706

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT IMPACT X BASE YEAR TYPE 0
SUMPF   0.0   1974   0   PERIOD

00000030

VARIABLE	1	2	3	4	5	6	7	8	9
MILSPEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILSPFZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHESP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FUP	0.0665	0.0159	0.0074	0.0037	0.0031	-0.0012	-0.0024	-0.0007	-0.0002
CV1	0.0706	0.0047	0.0040	0.0019	0.0017	-0.0005	-0.0019	-0.0007	-0.0002
FDC	0.5397	0.0110	0.0053	0.0026	0.0022	-0.0008	-0.0016	-0.0004	-0.0002
FDT	0.5094	0.0097	0.0051	0.0026	0.0021	-0.0007	-0.0018	-0.0004	-0.0001
FDE	0.2691	0.0099	0.0050	0.0025	0.0021	-0.0008	-0.0018	-0.0007	-0.0001
FDD	0.1061	0.0115	0.0056	0.0028	0.0024	-0.0010	-0.0024	-0.0012	-0.0005

0	0	0	0	0	0
			0	0	0

END 0 0 0 0 0 0

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The Impact of a One-Period Increase in the Amount
of $1.00 per Bushel ($1.7857 per Hundredweight) in
the Corn Support Price (October-September Year)

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT   IMPACT % BASE YEAR TYPE
CORPG   0.0   1974   0   00000030
                                PERIOD

VARIABLE	CHNG	1	2	3	4	5	6	7	8	9
CURPG	1.7857	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SOWPM7C		0.0754	0.3512	0.2645	-0.0675	-0.2419	-0.2181	-0.1402	-0.1140	-0.1008
SOWKS		0.0580	-0.0440	-0.0426	-0.0100	-0.0080	0.0066	0.0053	0.0048	0.0059
PIGSEBR		-0.0030	-0.0030	-0.0046	-0.0073	0.0000	0.0045	0.0045	0.0034	0.0030
PIGSC		0.5703	-0.8801	-0.0245	0.5200	0.5502	0.1488	0.1351	0.1606	0.1281
HUGKS		-0.0892	-0.5579	0.4609	0.1270	0.3859	0.2642	0.1526	0.1425	0.1398
PURAP		2.5651	-75.3445	-63.6565	12.6557	46.8447	32.4857	18.6456	17.7807	17.7198
PURIR.6/		0.0034	0.0121	0.0090	0.0025	0.0086	0.0078	0.0050	0.0040	0.0056
BAGPM7C		0.1260	0.4952	0.4143	-0.1231	-0.3622	-0.2736	-0.1642	-0.1377	-0.1232
HUGSNBR		-0.0610	-0.0200	0.0180	0.0207	0.0127	0.0107	0.0119	0.0104	0.0076
HUGSM		-0.2014	-0.5013	-0.0856	0.2904	0.2456	0.1172	0.0903	0.1018	0.0854
PURCC		2.4774	-72.5947	-62.6884	10.4216	44.4986	31.7979	18.7826	17.8805	17.7804
BAGKS		-0.1472	-0.5140	-0.4103	-0.1569	0.3759	0.2577	0.1492	0.1574	0.1359
PURMT1		0.0926	-2.6567	-3.6229	-1.3973	0.9560	1.6450	1.5032	1.4003	1.5457
PURAS		2.5651	-75.2510	-60.3129	9.0254	45.4446	33.4396	20.2951	19.2616	19.1246
BEEAPPD		-114.0104	-73.7809	9.7182	23.5615	27.4977	33.5204	25.2262	23.2978	19.4377
SAHKSFD		-0.1783	0.0890	0.0128	0.0325	0.0396	0.0456	0.0386	0.0357	0.0281
BEELK		0.0054	0.0037	0.0013	-0.0001	-0.0008	-0.0049	-0.0047	-0.0017	-0.0011
CUWKSNF		-0.0238	-0.0129	-0.0181	-0.0126	-0.0157	0.0139	0.0222	0.0110	0.0011
CUWSNOE		-0.0238	-0.0171	-0.0198	-0.0085	-0.0306	0.0244	0.0096	0.0271	-0.0223
CATPFFE		-0.2624	0.1421	-0.1072	-0.0722	0.0963	0.1199	0.1268	0.0248	0.0248
SAHKS		-0.0417	0.0051	-0.0162	0.0029	0.0038	0.0148	0.0278	0.0174	0.0042
CATPFFD		0.1852	0.1532	0.0375	-0.0059	0.0199	0.1523	0.1479	0.0555	0.0086
HEISBBE			-0.0067	-0.0211	0.0153	0.0066	0.0085		-0.0112	
BEEAPNF		49.6159	45.5319	-24.6871	-23.7201	-28.2645	-10.0988	-3.9162	-14.9066	-18.0920
CAIKSNF		0.1598	0.0811	-0.0475	-0.0471	-0.0554	-0.0163	-0.0029	-0.0205	-0.0326
CATPFNF		-0.0068	0.0042	-0.0592	-0.0324	-0.0607	-0.0835	-0.0974	-0.0180	-0.0229
BEEASFD		49.6159	45.5319	-24.6871	-23.7601	-28.2645	-10.0988	-3.9162	-14.9066	-18.0920
BEEASFD		89.6159	-74.7655	8.5356	22.9487	27.3726	33.6824	25.6017	23.7206	19.8752
BEEAS		-24.4064	-29.2256	-16.1515	-0.7755	-0.7035	23.5876	21.6973	8.4258	1.7748
BEECT		-25.4220	-28.0429	-15.5688	-0.6502	-1.0616	23.2121	21.2627	8.3484	1.3758
CATKAFD		-0.0156	0.0273	-0.0528	0.1015	0.0818	0.1379	0.0192	0.0136	0.0430
CATKANF		-0.0014	0.1172	0.1172	0.1085	0.1473	-0.0800	0.4539	-0.2857	0.0058
BEEMT		-0.9444	-0.7738	0.5810	-0.1254	1.0918	0.3770	-0.4259	0.4373	0.4102
CHISPYO		-13.9475	-5.4789	7.9855	4.0775	-0.9088	-0.6970	-1.1708	-0.7950	-0.6250
CMIAPUT		1.8202	2.6889	0.7344	-0.5436	-0.0708	-0.2179	-0.7078	-0.4567	-0.2368
CHIHIYOI		-0.2166	0.0175	0.1210	0.0571	-0.5290	-0.8110	0.1821	0.2614	0.6696
CHIHIUTI		-0.6345	-0.6526	0.7482	0.1089	1.0482	-0.8432	-4.0795	-35.0467	-8.0119
CHICCYU		-13.7294	-5.6809	7.8434	4.1649	0.4707	0.4600	-1.1384	-0.8617	-1.0317
CHICCUI		1.8547	2.0218	0.6190	0.0954	-0.4707	-0.0040	2.5607	30.5294	2.2706
CHIIHFR		0.0085	0.0086	0.0004	0.0032	-0.0039	-0.0040	-0.0027	-0.0016	-0.0008
CHIPWBHYC		0.2651	0.2537	-0.0012	-0.0969	-0.1099	-0.1143	-0.0761	-0.0453	-0.0235
CHIPWXB		0.0969	0.1015	0.0075	-0.0362	-0.0445	-0.0467	-0.0315	-0.0187	-0.0097
CHIPK		0.5070	0.3107	0.0157	-0.1166	-0.1399	-0.1470	-0.0981	-0.0582	-0.0300
CHIASYO		-13.9475	-5.7009	7.9636	4.1976	-1.1245	-0.6246	-0.9523	-0.6086	-0.3722
CHIASUT		1.8202	2.6546	1.3671	0.2044	-0.8003	-1.2711	-1.5187	-4.5166	-35.2829

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COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE
CURPG   0.0   1974   PERIOD   0

00000050

VARIABLE	1	2	3	4	5	6	7	8	9
VARIABLE	4.5798	-7.6120	1.2449	0.8604	-0.2501	1.3527	-0.5179	-0.5772	-0.1473
TUKAP	2.1003	0.8691	1.8783	1.5478	0.8273	0.2681	-0.9390	-1.4307	-1.2764
TURHT1	2.4796	-6.5008	0.2300	1.1914	0.4704	1.9114	0.6891	-0.0858	-0.3008
TURCC	0.2299	0.3701	0.0579	-0.0814	-0.0487	-0.2570	-0.1936	-0.0689	-0.0048
TURPR	0.1008	0.2509	0.0157	-0.0475	-0.0255	-0.1448	-0.1051	-0.0351	-0.0020
TURPF	4.5798	-5.5118	2.1140	2.7347	1.2975	2.1806	0.2500	-1.5158	-1.5772
TURAS	-0.4478	0.1260	0.0965	0.0527	0.0249	0.0176	0.0288	0.0243	0.0246
CHISVLA	-7.5302	1.7939	1.4346	0.6114	0.3118	0.1096	0.2501	0.2491	0.2051
EGGAP	-0.4195	-0.2156	0.0047	0.1087	0.1312	0.1302	0.0919	0.0592	0.0355
EGGHT	0.0076	0.0073	0.0007	-0.0027	-0.0036	-0.0037	-0.0025	-0.0016	-0.0009
EGGIR.67	0.5109	0.2637	0.0218	-0.1045	-0.1343	-0.1371	-0.0934	-0.0586	-0.0340
EGGPF	-5.8853	1.7970	0.7536	0.2697	0.2182	0.1403	0.3391	0.3044	0.2576
EGGCC	-0.5540	0.3417	0.0349	-0.1285	-0.1676	-0.1722	-0.1164	-0.0726	-0.0418
EGGPRAL	-7.5302	1.3609	1.2050	0.6126	0.4171	0.2401	0.3881	-0.3307	-0.2608
EGGAS	-1.0320	-0.2167	0.4749	0.2438	0.0704	0.0277	-0.0479	-0.0287	-0.0224
EGGBH	-0.0043	0.0056	0.0091	0.0044	-0.0279	-0.0288	-0.0217	-0.0091	0.0036
CUWSRMC	-0.0008	0.0000	0.0004	0.0008	0.0037	0.0006	0.0085	0.0132	0.0107
CUWSMC	-0.0050	0.0009	0.0032	0.0125	0.0199	0.0009	0.0020	0.0010	-0.0018
CUWSEMC	-0.5208	0.0366	0.0896	0.1138	0.0642	0.0382	0.0251	0.0228	0.0399
MAYOFMC	-0.3039	-0.0142	0.0429	0.0507	0.0994	0.0663	0.0598	0.0475	0.0373
FEEDFCNDA	-0.0398	0.0001	0.0005	0.0006	0.0010	0.0006	-0.0029	-0.0030	-0.0023
MILBC	0.0	-0.0515	0.0831	0.1024	0.1054	0.0738	0.0613	0.0501	0.0515
MILAP	0.5245	0.0010	0.0026	0.0033	0.0034	0.0025	-0.0020	0.0016	-0.0016
MILPF	0.0169								
MILCCFZ	-0.0454	-0.0028	-0.0062	-0.0068	-0.0063	-0.0041	-0.0034	-0.0028	-0.0030
MILCCUR	-0.0178	-0.0076	-0.0000	-0.0028	-0.0038	-0.0030	-0.0021	-0.0019	-0.0018
MILCCEC	-0.0103	-0.0085	-0.0052	-0.0025	-0.0005	-0.0005	-0.0012	-0.0016	-0.0018
MILCCMC	0.1757	-0.1944	-0.1904	-0.1787	-0.1680	-0.1673	-0.1677	-0.1713	-0.1722
CHECT	-0.0398	-0.0418	-0.0361	-0.0301	-0.0244	-0.0205	-0.0175	-0.0147	-0.0125
BUTCC	0.0023	0.0001	-0.0004	-0.0004	-0.0005	-0.0003	-0.0003	-0.0002	-0.0002
MILIREV	0.0009	-0.0001	-0.0001	-0.0002	-0.0002	-0.0001	-0.0001	-0.0001	-0.0001
MILIR	0.1093	-0.0065	-0.0172	-0.0215	-0.0218	-0.0151	-0.0127	-0.0104	-0.0106
MILPHOR	-0.0018	0.0001	0.0003	0.0004	0.0004	0.0003	0.0002	0.0002	0.0002
BUTIR	-0.0024	-0.0001	-0.0003	-0.0005	-0.0003	-0.0002	-0.0002	-0.0002	-0.0002
CHELRAM	0.0016	0.0001	-0.0003	-0.0005	-0.0003	-0.0002	-0.0002	-0.0002	-0.0002
DAIIR	0.0073	-0.0106	-0.0108	-0.0056	-0.0049	-0.0075	-0.0055	-0.0031	-0.0017
LIVIF	-0.0026	-0.0017	-0.0017	-0.0010	-0.0010	-0.0010	-0.0007	-0.0005	0.0005
LIVJF	-0.0051	-0.0072	-0.0051	-0.0013	-0.0030	-0.0058	-0.0045	-0.0025	-0.0013
LIVIR	-114.8399	1.7110	19.4251	17.7150	14.0666	10.4139	8.8710	7.7693	6.3313
CURDF	8.0863	-1.0269	-2.3557	-1.8269	-0.8603	-0.4909	-0.2892	-0.0361	-0.1502
SURDF	2.4717	-1.1058	-1.3497	-0.7734	-0.2832	-0.0845	-0.1045	-0.0762	-0.0142
UATDF	2.2008	-0.4251	-0.2076	-0.3164	-0.3883	-0.5027	-0.4725	-0.1123	-0.0535
BAHDF	-56.8652	-17.0275	-7.4969	-4.0998	-2.7129	-1.6765	-1.3538	-1.4437	-1.5420
CURHCC*	-1.4459	0.3697	0.1143	0.2329	0.2925	0.2738	0.2299	0.1535	0.1136
SURHCC*	-1.8102	-0.8431	-0.2672	0.1060	0.3633	0.4185	0.6570	0.6342	0.5045
OATHCC1									

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COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE   00000050

CURPG   0.0   1974

PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
BARMCC1	-1.5700	-0.9078	0.1820	0.6757	0.6398	0.6868	0.4390	0.3771	0.2923
CURUDH*	-2.8993	-0.1004	0.3779	0.4648	0.4073	0.3788	0.3146	0.2544	0.1660
BARDH	-0.1504	-0.0528	0.0007	0.0321	0.0371	0.0474	0.0365	0.0288	0.0206
OATDH	-0.0424	-0.0050	-0.0050	-0.0052	-0.0049	0.0046	0.0057	0.0049	0.0036
SURSPGR	0.0	1.3038	-1.6553	-0.4796	0.4922	0.6622	0.6648	0.5868	0.6252
OATSP	0.0	-0.1455	-0.5967	-0.1992	0.1650	0.1474	0.5379	0.0654	0.0000
BARSP	0.0	-0.2200	1.0215	0.3721	-0.2782	-0.3049	-0.6279	-0.1230	-0.0003
CURMC	-5.0906	0.0094	0.2778	0.4506	0.4544	0.4369	0.3842	0.2808	0.2100
SURMC	0.1526	-0.0053	-0.0199	-0.0245	-0.0214	-0.0199	0.0166	-0.0125	-0.0087
CURPF	0.2734	-0.0002	-0.0066	-0.0107	-0.0108	-0.0104	-0.0091	-0.0067	-0.0050
SURPFA	0.2264	-0.0034	-0.0022	-0.0042	-0.0045	-0.0046	-0.0061	-0.0053	-0.0039
OATPF	0.0462	0.0156	-0.0002	-0.0095	-0.0110	-0.0140	-0.0114	-0.0085	-0.0061
BARPF	0.2444	0.0094	-0.0312	-0.0404	-0.0359	-0.0336	-0.0281	-0.0208	-0.0147
FEEPF-U	0.2432	0.0083	-0.0313	-0.0399	-0.0352	-0.0329	-0.0277	-0.0207	-0.0147
FEEPF-B	0.2512	0.0107	-0.0321	-0.0414	-0.0368	-0.0346	-0.0291	-0.0217	-0.0154
FEEPF-S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FEEPF-C	0.5439	0.0115	-0.0521	-0.0438	-0.0538	-0.0499	-0.0416	-0.0509	-0.0219
CORSA	0.0366	-0.0399	-0.0124	0.0127	0.0171	0.0171	0.0151	0.0161	0.0148
SORSA	-0.0043	-0.0158	-0.0062	0.0051	0.0046	0.0105	0.0020	0.0000	0.0010
OATSA	0.0065	-0.0254	-0.0092	0.0069	0.0075	0.0155	0.0030	0.0000	-0.0011
BAKSA	174.6247	133.1564	105.8224	82.2491	66.3876	54.5598	45.0512	37.1285	30.7413
CURHHUN	-1.3494	-3.8437	-5.1637	-2.3855	-1.5469	-0.3455	0.1983	0.2201	0.5257
SURHHUN	-1.1146	-1.1233	-0.7493	-0.7535	-0.5674	-0.8118	-0.1974	-0.0378	-0.1740
OATHH1	-0.4804	-0.4446	-0.3059	-0.1432	-0.0343	0.0091	-0.1230	0.1454	0.1558
BARHH1	-0.0063	-0.0089	-0.0051	-0.0015	-0.0018	0.0002	-0.0032	-0.0073	-0.0091
CALAS	-0.0943	0.0988	0.0404	0.0019	-0.0185	0.0447	-0.0127	-0.0447	0.0702
CALPF	-0.0054	0.0030	0.0009	0.0003	0.0004	0.0022	0.0017	0.0001	-0.0007
VEAIR	-0.8890	-1.3150	0.7742	-0.2238	0.2666	0.0238	0.4544	1.0487	1.3071
VEAAT	-0.0150	-0.0185	-0.0106	-0.0031	-0.0153	0.0003	0.0067	0.0152	-0.0188
CALSC	-0.0019	-0.0027	-0.0016	-0.0005	0.0006	0.0000	0.0010	0.0022	-0.0027
CALUD	-0.0009	-0.0011	-0.0005	-0.0001	0.0002	0.0007	0.0010	0.0013	-0.0012
CATUUNC	-0.0102	-0.2665	-0.0015	-0.1156	-0.1156	0.0947	0.0820	0.0626	-0.0448
WHEUH	550.1118	727.2512	522.6245	232.4179	-41.5000	-147.6082	-149.7389	-125.0181	-97.0255
WHESAM	37.4352	49.9053	29.8489	4.9182	-3.4279	6.5518	11.9789	11.9062	8.6415
WHESAS	0.0	5.3612	2.0517	0.0088	-0.8486	-0.8605	-0.7511	-0.6212	-0.4766
WHESP	0.0	0.0714	0.0256	0.0001	0.0106	-0.0107	0.0094	-0.0078	-0.0059
WHESZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WHEUS	-15.2895	-7.5569	1.5789	3.6460	2.0690	1.8416	1.0475	0.3230	-0.5018
WHEHAL	0.1052	0.0055	-0.0119	-0.0167	-0.0153	-0.0149	-0.0125	-0.0095	-0.0067
FEGIF*	21.3252	-3.1414	-3.8412	-3.2847	-2.8310	-2.9582	-2.5029	-1.8261	-1.3092
WHEMC**NS	21.3252	-3.1414	-3.8417	-3.2847	-2.8307	-2.9580	-2.5024	-1.8266	-1.3088
WHEMX	-1.4483	-3.2290	-0.6391	0.7870	0.7022	0.5564	0.4079	0.3429	0.2476
WHEUF	0.0912	0.0391	0.0002	-0.0162	-0.0164	-0.0143	-0.0118	-0.0091	0.0065
WHEPF	-3.4707	-4.5169	-3.8100	-1.4587	1.3624	3.8446	5.7908	7.1849	8.1958

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COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT   IMPACT % BASE YEAR TYPE
CORPG   1974   0   PERIOD

00000030

VARIABLE	1	2	3	4	5	6	7	8	9
MILSPEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILSPFZ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHESP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FDP	0.1371	0.0053	-0.0175	-0.0220	-0.0194	-0.0181	-0.0152	-0.0115	-0.0080
CV1	0.0433	0.0015	-0.0045	-0.0065	-0.0058	-0.0062	-0.0059	-0.0043	-0.0027
FDC	0.0975	0.0034	-0.0125	-0.0156	-0.0128	-0.0128	-0.0107	-0.0080	-0.0057
FDT	0.0901	0.0033	-0.0111	-0.0143	-0.0128	-0.0120	-0.0102	-0.0076	-0.0054
FDE	0.0870	0.0044	-0.0105	-0.0140	-0.0126	-0.0119	-0.0102	-0.0077	-0.0055
FDD	0.0982	0.0049	-0.0120	-0.0158	-0.0143	-0.0135	-0.0119	-0.0090	-0.0064

The Impact of a One-Period Increase in the Amount
of 100 Million Bushels of Policy Exports of Corn
(Primarily to USSR and PRC) on the Wheat, Feed
Grain, and Livestock Sector

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT   IMPACT % BASE YEAR TYPE   00000030
CURMG   1974
0.0   0.0

VARIABLE   CHNG   PERIOD

VARIABLE	CHNG	1	2	3	4	5	6	7	8	9
		1	2	3	4	5	6	7	8	9
CURMG	100.0000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUNPM7C		0.0455	0.2290	0.2290	0.0465	0.0136	0.0060	0.0175	0.0109	-0.0000
SUNKS		0.0355	-0.0187	-0.0200	-0.0099	-0.0010	-0.0019	-0.0028	-0.0012	-0.0001
PIGSEBR		-0.0018	-0.0023	-0.0039	-0.0064	-0.0033	-0.0011	0.0006	-0.0007	-0.0004
PIGSC		-0.2270	-0.5921	-0.2192	-0.0529	0.0208	-0.0447	-0.0261	0.0073	-0.0048
HOGKS		-0.0547	-0.3546	-0.5805	-0.1291	0.0157	-0.0061	-0.0310	-0.0126	0.0037
PURAP		1.5645	-45.8137	-49.1403	-17.3762	1.6150	-1.1424	-4.2806	-1.7509	0.4547
PURIR.67		0.0020	0.0080	0.0080	0.0035	0.0005	0.0002	0.0006	0.0004	0.0000
BAGPM7C		0.0766	0.3255	0.3627	0.1347	0.0033	0.0059	0.0237	0.0124	0.0013
HOGSNBR		-0.0374	-0.0209	-0.0048	-0.0013	-0.0035	-0.0027	0.0005	0.0000	0.0005
HOGSM		-0.1254	-0.3355	-0.1720	0.0105	0.0167	0.0218	0.0176	0.0021	0.0035
PORCC		1.5113	-44.1418	-48.1759	-18.0290	0.6101	-1.5623	-4.3758	-1.8916	0.3116
BAGKS		-0.0902	-0.3359	-0.3605	-0.1191	0.0167	0.0042	0.0202	0.0115	0.0057
PURHT1		0.0566	-1.6156	-2.5746	-1.9323	-0.9284	0.5144	0.4150	0.2743	-0.1240
PURAS		1.5645	-45.7526	-50.7512	19.9574	-5.4931	-2.0776	-4.7959	-2.1710	0.1869
BETAPFU		-68.8911	-63.5574	-21.8261	-8.3017	0.0081	0.4540	0.4643	2.3294	4.1569
SAHKSFD		-0.1077	-0.0835	-0.0312	0.0124	0.0022	-0.0006	0.0017	0.0048	0.0065
BEEIR		0.0053	0.0033	0.0023	0.0012	0.0121	0.0008	0.0014	0.0002	0.0001
CUNKSNF		0.0141	0.0055	0.0095	0.0060	-0.0119	0.0023	0.0091	0.0052	0.0053
CUNSNBE		-0.0141	-0.0123	-0.0157	0.0249	-0.0725	0.0125	0.0045	0.0007	0.0058
CATPFFE		-0.1556	0.0607	-0.0498	0.0076	0.0095	0.0335	0.0544	0.0092	0.0002
SAHKS		-0.0252	-0.0039	-0.0144	-0.0358	0.0680	0.0008	0.0103	0.0081	0.0051
CAIPFFU		-0.1120	0.1184	-0.0706	0.0065	-0.0021	0.0240	0.0427	0.0055	0.0020
HEISHOE		0.0	0.0040	-0.0131	0.9936	-4.0616	0.0031	0.0064	0.0034	0.0032
BETAPNF		54.0145	41.5365	5.1941	0.0014	-0.0113	3.4058	5.5510	-1.3735	-4.1413
CATASNF		0.0903	0.0740	0.0070	0.0217	0.0518	0.0045	0.0131	0.0003	0.0076
CAIPFIF		-0.0053	0.0018	0.0376	0.9936	-4.0616	0.0192	0.0369	0.0032	0.0073
BEEASRF		54.0145	41.5365	5.1941	-8.9750	-5.9455	3.4058	5.5510	-1.3735	-4.1413
BEEASPD		-68.6911	-64.1592	-22.7057	-7.9453	-10.0052	0.1560	0.2973	2.2371	4.1262
BEEAS		-14.8766	-22.6188	-17.5077	-7.5406	-9.7018	3.5624	5.8561	0.8870	0.0034
HEECI		-14.2805	-21.7592	-16.8305	-0.0147	-0.0127	3.7244	5.9307	0.9061	0.0316
CATKAFU		0.0096	0.4811	-0.0652	-0.1069	-0.1514	0.0265	0.0188	0.0226	0.0001
CATRANF		-0.0212	0.0254	0.0934	0.4505	0.2969	0.0697	0.1462	0.1069	0.0087
BLEHT		-0.5947	-0.8779	-0.6778	0.0001	0.1703	0.1640	0.0879	0.0293	0.0186
CHISPYU		-0.5792	-5.6085	1.4120	0.7028	0.2220	0.2135	0.2026	0.0511	0.0170
CHIAPUT		1.0964	1.9252	1.1529	0.4864	-0.0101	0.0680	0.0053	0.0175	0.0167
CHIHTYO1		-0.1307	-0.0450	0.0210	-0.0001	-0.1618	0.0036	0.0331	0.0212	0.0120
CHIMIUT1		-0.0208	0.3766	0.5676	0.3676	0.1821	0.1624	0.2030	0.3925	0.3443
CHICCYU		-8.2450	-5.7763	1.3447	0.7276	-0.4277	0.2341	0.1377	0.0612	0.0034
CHICCUT		1.1172	1.5280	1.9619	0.6868	0.0007	0.0671	0.0000	0.4424	0.7197
CHIIHFR		0.0051	0.0068	0.0053	0.0013	0.0204	0.0000	0.0009	0.0001	0.0000
CHIPWBR9C		0.1598	0.2027	0.0952	0.0370	-0.0086	0.0002	0.0004	0.0019	0.0006
CHIPWXB		0.0585	0.0795	0.0299	0.0162	0.0266	0.0003	0.0014	0.0008	0.0003
CHIPR		0.1851	0.2458	0.1209	0.0486	0.1703	0.0000	-0.0004	0.0025	0.0008
CHIASYU		-8.5792	-5.8266	1.3695	0.7276	0.1703	-0.2332	-0.2017	0.0325	0.0000
CHIASUT		1.0964	1.9046	1.5295	1.0543	0.5892	0.2295	0.1706	0.0503	-0.3751

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COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT
CURMG

IMPACT % BASE YEAR TYPE
0.0   1974   0

PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
TURAP	2.7643	-3.8076	0.0105	0.1533	-0.1303	0.5010	0.0610	-0.2970	-0.0343
TURATI	1.2712	1.9945	1.5648	1.6093	1.4758	1.2964	0.7465	0.3632	0.2570
TURATI	1.4981	-3.4509	-0.6601	0.0690	0.0035	0.6798	0.4868	0.0859	0.0721
TURCC	0.1394	0.2079	-0.1297	0.0510	-0.0724	-0.0435	-0.0547	-0.0062	-0.0006
TURPH	0.0648	0.1005	0.0704	0.0272	0.0398	-0.0255	-0.0295	-0.0022	-0.0004
TURPF	2.7643	-2.5362	0.9950	1.6981	1.4769	1.9766	1.2353	0.4499	0.5290
TURAS	-0.2901	0.0080	0.0100	0.0015	-0.0034	-0.0051	-0.0004	0.0005	-0.0005
CHISVLA	-4.4060	0.0607	0.1544	0.0014	-0.0330	-0.0756	-0.0013	0.0144	-0.0128
EGGAP	-0.2527	0.2012	-0.1046	-0.0440	-0.0224	0.0024	0.0000	0.0022	-0.0009
EGGHT	0.0046	0.0058	0.0051	0.0013	0.0006	0.0000	0.0000	0.0001	0.0000
EGGIK,6/	0.1874	0.2159	0.1145	0.0470	0.0252	0.0012	0.0000	0.0026	-0.0007
EGGPF	-5.5396	-0.3004	-0.0274	0.0902	0.0466	0.0745	0.0058	0.0116	-0.0074
EGGCC	0.2155	0.2724	0.1451	0.0592	0.0291	0.0011	0.0000	0.0034	-0.0009
EGGPRAL	-4.4080	0.2017	0.0599	0.1067	0.0909	0.0929	0.0019	0.0027	0.0153
EGGAS	-0.6195	0.2954	0.0800	0.0365	0.0070	0.0137	0.0108	0.0019	0.0009
EGGOB	-0.0027	0.0028	0.0055	0.0014	0.0167	0.0215	0.0219	0.0184	-0.0140
CURSNMC	-0.0004	0.0001	0.0005	-0.0003	0.0022	0.0008	0.0047	0.0048	-0.0096
CURKSMC	-0.0030	0.0055	0.0024	-0.0065	-0.0131	0.0043	0.0056	0.0057	-0.0055
CURSEMC	-0.0030	0.0053	-0.0024	-0.0063	-0.0216	-0.0514	-0.0556	-0.0577	-0.0479
HAYDFMC	-0.3214	-0.0938	-0.0397	-0.0123	-0.0103	0.0032	0.0011	0.0012	0.0013
FEEDFCNDA	0.1855	-0.0498	-0.0272	0.0005	0.0066	0.0001	0.0018	0.0023	0.0023
MILDC	-0.3230	-0.0908	-0.0433	-0.0132	-0.0200	-0.0305	-0.0297	-0.0306	-0.0251
MILAP	0.0103	0.0029	0.0014	0.0004	0.0006	0.0010	0.0009	0.0010	0.0008
MILPF	0.0	0.0	0.0	0.0	0.0012	0.0017	0.0016	0.0017	0.0015
MILCCFZ	-0.0277	-0.0074	-0.0052	-0.0019	-0.0011	0.0010	0.0010	0.0009	-0.0011
MILCCUR	-0.0110	-0.0069	-0.0058	-0.0046	-0.0058	0.0034	0.0030	0.0027	-0.0024
MILCCEC	-0.0003	-0.0065	-0.0057	0.0000	-0.0001	0.0001	0.0001	0.0001	0.0001
MILCCMC	-0.1075	-0.1435	-0.1670	-0.1835	-0.2022	-0.2260	-0.2499	0.2770	-0.3044
CHECT	-0.0243	-0.0302	-0.0323	-0.0330	-0.0340	-0.0344	-0.0352	-0.0361	-0.0370
BUTCC	-0.0014	-0.0002	-0.0001	0.0000	-0.0001	-0.0001	-0.0001	-0.0001	-0.0001
MILIREV	-0.0006	0.0002	-0.0001	0.0000	0.0000	0.0001	0.0000	0.0001	0.0000
MILIR	0.0667	0.0188	0.0089	0.0027	0.0041	0.0064	0.0060	0.0063	0.0052
MILPKUR	-0.0011	-0.0005	0.0001	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
BUTIR	-0.0015	-0.0004	-0.0002	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
CHEIKAM	-0.0010	-0.0003	-0.0001	0.0000	0.0001	0.0001	0.0006	0.0000	0.0000
DAIIR	-0.0044	-0.0073	-0.0065	-0.0026	-0.0015	0.0004	0.0005	0.0001	0.0000
LIVIF	0.0016	-0.0014	-0.0009	0.0003	0.0012	0.0001	0.0004	0.0001	0.0000
LIVJF	0.0051	0.0054	0.0043	0.0019	0.0014	0.0001	0.0005	0.0001	0.0000
LIVIR	-68.9489	-15.4309	-4.0684	-2.2462	-1.2578	-1.4221	-1.0464	-0.5470	-0.4257
CURMDF	5.3567	0.4411	0.5166	0.5205	0.2901	0.2409	0.2373	0.1670	0.1269
SURUF	1.7901	0.2565	0.5605	0.4455	0.2950	0.2112	0.2715	0.2734	0.2583
UATDF	1.3244	0.0473	0.1182	0.1068	0.0708	0.0207	0.0447	0.1122	0.1903
BARDF	-20.0969	-5.0526	-1.6705	-0.4739	-0.1304	-0.2545	-0.3406	0.2089	0.1446
SURHCC*	-0.8640	0.0014	-0.1099	-0.0482	-0.0165	0.0457	0.0515	0.0391	0.0343
OATHCC1	-1.0869	-0.7839	-0.5436	-0.3003	-0.2182	-0.1201	0.0691	0.1520	0.1788

COMBINED MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT

INSTRUMENT   IMPACT % BASE YEAR TYPE

CURMG   0.0   1974   0   PERIOD

VARIABLE	1	2	3	4	5	6	7	8	9
BARMCCI	-0.9398	-0.7777	-0.2988	-0.0120	0.0504	0.1273	0.1009	0.1300	0.1607
BARMCCI	-1.7402	-0.4847	-0.2009	-0.1005	-0.0405	-0.0196	-0.0042	-0.0086	-0.0087
CURUH*	-0.0938	-0.0539	-0.0304	-0.0154	-0.0095	-0.0006	-0.0012	-0.0008	-0.0014
BARUH	-0.0254	-0.0087	-0.0041	-0.0021	-0.0010	-0.0005	-0.0012	-0.0015	-0.0016
UATUH	0.0	-0.7861	-0.8829	-0.5342	-0.1934	-0.0828	-0.0724	-0.0725	-0.0584
SURSPGR	0.0	-0.0867	-0.5465	-0.2324	-0.1056	-0.0527	-0.0156	0.0898	-0.1359
UATSP	0.0	0.1504	0.5910	0.4350	0.1793	0.1049	-0.0289	0.1094	0.2454
BARSP	-1.8443	-0.4006	-0.3042	0.2002	-0.1156	0.0	0.0395	-0.0507	-0.0552
CURMC	0.0916	0.0255	0.0106	0.0055	0.0032	0.0010	0.0002	0.0004	0.0004
SURMC	-0.0439	0.0109	0.0072	0.0047	0.0027	0.0015	0.0009	0.0012	0.0013
CURPF	-0.0158	0.0060	0.0051	0.0017	0.0010	0.0005	0.0013	0.0017	0.0018
SURPF*	0.0277	0.0154	0.0091	0.0046	0.0028	0.0002	0.0004	0.0002	0.0004
OATPF	0.1467	0.0419	0.0182	0.0094	0.0056	0.0019	0.0005	0.0007	0.0010
BARPF	0.1459	0.0408	0.0177	0.0091	0.0054	0.0019	0.0004	0.0007	0.0006
FEEPF-O	0.1508	0.0431	0.0184	0.0095	0.0056	0.0018	0.0002	0.0005	0.0006
FEEPF-B	0.2064	0.0557	0.0277	0.0095	0.0079	0.0026	0.0005	0.0010	0.0011
FEEPF-S	0.0221	0.0213	0.0159	0.0050	0.0021	0.0019	0.0019	0.0015	0.0014
FEEPF-C	0.0025	0.0091	0.0073	0.0033	0.0016	0.0005	0.0028	0.0043	0.0046
CURSA	0.0039	0.0147	0.0107	0.0044	0.0027	0.0007	0.0042	0.0060	0.0052
SURSA	-8.6155	-8.3635	-7.4485	-6.3055	-5.3312	-4.2736	-3.3108	-2.6235	-2.1253
UATSA	-2.6452	-2.7039	-2.6551	-2.5344	-2.3869	-2.1941	-1.9958	-1.8584	-1.7116
BARSA	-0.6701	-0.8620	-0.8240	-0.7924	-0.7444	-0.6836	-0.5870	-0.4881	-0.3946
CURHHUN	-0.2908	-0.3159	-0.2707	-0.2337	-0.1781	-0.1244	-0.0835	-0.0562	-0.0351
SURHHUN	-0.0058	-0.0059	-0.0045	-0.0032	-0.0017	-0.0027	-0.0044	-0.0064	-0.0081
OATHH1	0.0569	0.0735	0.0491	0.0317	0.0288	0.0165	0.0265	0.0514	0.0657
BARHH1	0.0020	0.0024	0.0016	0.0008	0.0010	0.0000	0.0001	0.0006	0.0008
CALKS	-0.5309	-0.8680	-0.6794	-0.4693	-0.2494	0.3861	-0.6208	-0.9139	-1.1710
CALPF	-0.0078	-0.0122	-0.0093	-0.0066	-0.0035	-0.0056	-0.0091	-0.0132	-0.0168
VEAIR	-0.0011	-0.0018	-0.0014	-0.0010	-0.0005	-0.0008	-0.0013	-0.0019	-0.0025
VEAAT	-0.0005	-0.0008	-0.0008	-0.0004	-0.0004	-0.0008	-0.0011	-0.0015	-0.0014
CALSC	-0.3692	-0.2439	-0.1208	-0.0478	-0.0239	-0.0128	-0.0096	-0.0089	-0.0087
CALUD	535.4363	519.1085	473.4761	326.6052	156.4570	59.8940	26.2292	17.1813	13.5261
CATDONC	22.5957	35.6410	28.1507	12.0721	1.7661	2.0114	4.0844	5.1315	5.2484
WHEUH	0.0	3.2129	1.9247	0.9250	0.3624	0.1787	0.0997	0.0702	0.0692
WHESAW	0.0	0.0428	0.0240	0.0115	0.0045	0.0022	0.0012	0.0009	0.0009
WHESAS	-9.1598	-6.7401	-2.0155	-0.2173	-0.2445	0.3486	0.3697	0.3188	0.3109
WHESP	0.0651	0.0183	0.0086	0.0045	0.0027	0.0009	0.0003	0.0004	0.0004
WHESZ	12.7993	1.1719	0.5046	0.5805	0.4366	0.0541	0.0845	0.0248	-0.0127
WHEDS	12.7993	-1.1724	0.5043	0.5808	0.4371	0.0538	-0.0526	-0.0253	-0.0127
WHEHA1	-1.1680	-2.1767	-1.1707	0.2931	-0.0755	-0.0604	-0.0524	-0.0223	-0.0102
FLGIFA	0.0547	0.0567	0.0176	0.0069	0.0034	0.0019	0.0013	0.0013	0.0012
WHEMCA*NS	-2.1016	-3.2676	-3.9921	-4.1045	-3.9740	-3.7008	-3.3923	-3.1853	-3.0762

ECONOMIC MODEL: LIVESTOCK, FEED GRAINS, AND WHEAT
INSTRUMENT
IMPACT % BASE YEAR TYPE
0.0   1974   0

00000050

VARIABLE	PERIOD								
	1	2	3	4	5	6	7	8	9
MILSPEC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MILSPFZ	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0
CHESP	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0
FUP	0.0823	0.0232	0.0098	0.0049	0.0029	0.0010	-0.0002	0.0003	0.0003
CV1	0.0200	0.0075	0.0038	0.0020	0.0014	0.0005	-0.0002	0.0000	0.0001
FUC	0.0505	0.0164	0.0070	0.0035	0.0021	0.0007	0.0002	0.0003	0.0003
FUT	0.0541	0.0152	0.0068	0.0035	0.0021	0.0007	0.0002	0.0002	0.0003
FUE	0.0522	0.0154	0.0008	0.0035	0.0021	0.0008	0.0002	0.0001	0.0001
FUD	0.0589	0.0174	0.0076	0.0039	0.0023	0.0008	0.0002	-0.0001	-0.0001